

High Plains – 2005

Uniform Wheat Variety Trials

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Purpose: To provide unbiased yield data for wheat producers across the state. With this information, Texas wheat producers can make an educated decision about the most appropriate variety for their geographic region.

Overview: The Uniform Variety Trial (UVT) is coordinated and implemented by numerous TCE and TAES faculty and staff from Amarillo, Dallas, Vernon, and College Station. Dr. David Worrall with Agri-Pro Wheat is also a key collaborator and contributed data from the Perryton locations. We also appreciate the cooperation from numerous County Extension Agents and growers. In the High Plains, ten locations of the HRW UVT was harvested (5 irrigated, 5 dryland). Below is a table describing the “issues” that affected the 2004-05 wheat crop at each location.

Funding: The State Uniform Variety Trial is funded by the Texas Wheat Producers Board.

| Location | Issues |
|----------------------|--|
| Clovis – Dryland | High stripe rust pressure, received late fungicide application, some lodging |
| Clovis – Irrigated | High stripe rust pressure, received late fungicide application, some lodging |
| Dimmit – Irrigated | Hail damage, high stripe rust pressure, received a fungicide application |
| Hereford – Dryland | High stripe rust pressure |
| Claude – Dryland | Very high stripe rust pressure |
| Bushland – Irrigated | High stripe rust pressure, hail damage |
| Canadian – Dryland | High stripe rust pressure, moderate leaf rust pressure |
| Etter – Dryland | High stripe rust pressure |
| Etter – Irrigated | High stripe rust pressure, erratic stand |
| Dalhart – Irrigated | Low stripe rust, received a fungicide application |
| Perryton – Irrigated | High Stripe rust pressure, received late fungicide application |
| Perryton – Dryland | High Stripe rust pressure, received late fungicide application |



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Uniform Wheat Variety Trial - Clovis, Dryland 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 52 | 29 | 61.2 |
| 2174 | OSU | 46 | 27 | 60.4 |
| Abilene Ag Exp* | Abilene Ag | 47 | - | 61.1 |
| AgriPro 4342* | AgriPro | 58 | - | 62.8 |
| AP 502 CL | AgriPro | 54 | 34 | 60.1 |
| Cisco | WestBred | 50 | 31 | 61.9 |
| Coronado | AgriPro | 51 | 32 | 62.0 |
| Cutter | AgriPro | 52 | 32 | 62.4 |
| Deliver | OSU | 49 | - | 61.9 |
| Dumas | AgriPro | 56 | 33 | 63.1 |
| Endurance | OSU | 55 | - | 61.9 |
| Fannin | AgriPro | 52 | 28 | 61.4 |
| HG-9 | Hardeman Grain | 46 | - | 61.7 |
| Jagalene | AgriPro | 45 | 29 | 63.6 |
| Jagger | KSU | 59 | 35 | 61.5 |
| Lockett | TAMU | 48 | 28 | 60.7 |
| Longhorn | AgriPro | 50 | 30 | 62.3 |
| Ogallala | AgriPro | 51 | 29 | 62.7 |
| OK 101 | OSU | 51 | 31 | 62.8 |
| OK 102 | OSU | 47 | 27 | 62.1 |
| Overley | KSU | 61 | 36 | 62.6 |
| Scout 66 | Nebraska/USDA | 48 | 30 | 61.9 |
| Stanton | KSU | 49 | 30 | 61.9 |
| Sturdy 2K | TAMU | 48 | 28 | 60.5 |
| T 81 | Trio Seed Research | 59 | - | 61.7 |
| TAM 105 | TAMU | 52 | 35 | 61.9 |
| TAM 107 | TAMU | 54 | 36 | 60.9 |
| TAM 110 | TAMU | 48 | 34 | 61.1 |
| TAM 110 CL | TAMU | 49 | 32 | 59.9 |
| TAM 111 | TAMU | 56 | 35 | 62.4 |
| TAM 112 | TAMU | 60 | 41 | 62.7 |
| TAM 202 | TAMU | 51 | 33 | 61.5 |
| TAM 303 | TAMU | 53 | 34 | 58.5 |
| TAM W-101 | TAMU | 41 | 24 | 61.5 |
| Thunderbolt | AgriPro | 43 | 27 | 63.0 |
| Trego | KSU | 50 | 32 | 61.3 |
| TX00D1390* | TAMU | 53 | - | 61.1 |
| TX00V1117* | TAMU | 64 | - | 63.1 |
| TX01D3232* | TAMU | 58 | - | 59.2 |
| | Mean | 51.6 | 31.4 | 61.6 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Clovis, Irrigated 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 80 | 79 | 60.7 |
| 2174 | OSU | 80 | 77 | 61.1 |
| Abilene Ag Exp* | Abilene Ag | 44 | - | 61.0 |
| AgriPro 4342* | AgriPro | 73 | - | 63.3 |
| AP 502 CL | AgriPro | 69 | 72 | 60.0 |
| Cisco | WestBred | 69 | 77 | 60.4 |
| Coronado | AgriPro | 78 | 78 | 59.0 |
| Cutter | AgriPro | 53 | 67 | 62.2 |
| Deliver | OSU | 61 | - | 61.9 |
| Dumas | AgriPro | 77 | 79 | 61.3 |
| Endurance | OSU | 78 | - | 59.1 |
| Fannin | AgriPro | 44 | 61 | 60.6 |
| HG-9 | Hardeman Grain | 47 | - | 60.8 |
| Jagalene | AgriPro | 73 | 80 | 60.8 |
| Jagger | KSU | 52 | 69 | 60.7 |
| Lockett | TAMU | 48 | 60 | 59.1 |
| Longhorn | AgriPro | 70 | 68 | 62.2 |
| Ogallala | AgriPro | 68 | 74 | 62.4 |
| OK 101 | OSU | 81 | 80 | 61.2 |
| OK 102 | OSU | 84 | 79 | 60.8 |
| Overley | KSU | 75 | 75 | 61.7 |
| Platte | AgriPro | 80 | - | 61.2 |
| Scout 66 | Nebraska/USDA | 49 | 59 | 62.1 |
| Stanton | KSU | 66 | 69 | 60.6 |
| Sturdy 2K | TAMU | 60 | 69 | 59.7 |
| T 81 | Trio Seed Research | 73 | - | 61.1 |
| TAM 105 | TAMU | 83 | 78 | 61.5 |
| TAM 107 | TAMU | 76 | 74 | 60.3 |
| TAM 110 | TAMU | 68 | 76 | 59.6 |
| TAM 110 CL | TAMU | 81 | 81 | 59.6 |
| TAM 111 | TAMU | 64 | 74 | 61.4 |
| TAM 112 | TAMU | 41 | 61 | 60.8 |
| TAM 202 | TAMU | 60 | 70 | 60.9 |
| TAM 303 | TAMU | 64 | 74 | 58.9 |
| TAM W-101 | TAMU | 61 | 66 | 60.4 |
| Thunderbolt | AgriPro | 74 | 75 | 62.7 |
| Trego | KSU | 70 | 68 | 60.7 |
| TX00D1390* | TAMU | 61 | - | 61.4 |
| TX00V1117* | TAMU | 64 | - | 61.9 |
| TX01D3232* | TAMU | 96 | - | 61.5 |
| Mean | | 67.3 | 72.4 | 60.9 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Nazareth 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 60 | 87 | 60.7 |
| 2174 | OSU | 49 | 80 | 60.6 |
| Abilene Ag Exp* | Abilene Ag | 43 | - | 59.2 |
| AgriPro 4342* | AgriPro | 59 | - | 59.8 |
| AP 502 CL | AgriPro | 57 | 69 | 57.7 |
| Cisco | WestBred | 54 | 73 | 58.9 |
| Coronado | AgriPro | 44 | 75 | 56.6 |
| Cutter | AgriPro | 58 | 70 | 60.4 |
| Deliver | OSU | 57 | - | 58.5 |
| Dumas | AgriPro | 55 | 83 | 61.3 |
| Endurance | OSU | 55 | - | 60.4 |
| Fannin | AgriPro | 61 | 68 | 61.2 |
| HG-9 | Hardeman Grain | 44 | - | 59.9 |
| Jagalene | AgriPro | 64 | 81 | 60.4 |
| Jagger | KSU | 57 | 69 | 57.1 |
| Lockett | TAMU | 50 | 56 | 59.3 |
| Longhorn | AgriPro | 60 | 68 | 58.4 |
| Ogallala | AgriPro | 57 | 76 | 60.3 |
| OK 101 | OSU | 57 | 73 | 60.5 |
| OK 102 | OSU | 57 | 78 | 60.4 |
| Overley | KSU | 63 | 65 | 60.6 |
| Platte | AgriPro | 42 | - | 61.0 |
| Scout 66 | Nebraska/USDA | 48 | 52 | 59.8 |
| Stanton | KSU | 49 | 72 | 58.9 |
| Sturdy 2K | TAMU | 58 | 51 | 58.5 |
| T 81 | Trio Seed Research | 58 | - | 57.5 |
| TAM 105 | TAMU | 62 | 75 | 59.2 |
| TAM 107 | TAMU | 49 | 72 | 58.0 |
| TAM 110 | TAMU | 56 | 70 | 59.4 |
| TAM 110 CL | TAMU | 59 | 82 | 58.9 |
| TAM 111 | TAMU | 82 | 100 | 59.7 |
| TAM 112 | TAMU | 58 | 72 | 60.3 |
| TAM 202 | TAMU | 48 | 68 | 57.3 |
| TAM 303 | TAMU | 52 | 65 | 58.7 |
| TAM W-101 | TAMU | 47 | 63 | 60.8 |
| Thunderbolt | AgriPro | 58 | 72 | 60.9 |
| Trego | KSU | 62 | 71 | 61.4 |
| TX00D1390* | TAMU | 70 | - | 60.6 |
| TX00V1117* | TAMU | 66 | - | 59.7 |
| TX01D3232* | TAMU | 65 | - | 58.3 |
| | Mean | 56.2 | 71.9 | 59.5 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Hereford 2005

| Variety | Source | Grain Yield | Test Weight |
|-----------------|--------------------|-------------|-------------|
| | | (bu/ac) | (lb/bu) |
| | | 2005 | 2005 |
| 2145 | KSU | 29 | 59.5 |
| 2174 | OSU | 25 | 61.3 |
| Abilene Ag Exp* | Abilene Ag | 29 | 61.1 |
| AgriPro 4342* | AgriPro | 40 | 60.8 |
| AP 502 CL | AgriPro | 26 | 57.8 |
| Cisco | WestBred | 25 | 60.1 |
| Coronado | AgriPro | 25 | 59.7 |
| Cutter | AgriPro | 41 | 61.6 |
| Deliver | OSU | 33 | 60.2 |
| Dumas | AgriPro | 31 | 61.9 |
| Endurance | OSU | 29 | 60.1 |
| Fannin | AgriPro | 39 | 62.0 |
| HG-9 | Hardeman Grain | 31 | 61.1 |
| Jagalene | AgriPro | 36 | 62.5 |
| Jagger | KSU | 35 | 60.2 |
| Lockett | TAMU | 29 | 58.9 |
| Longhorn | AgriPro | 22 | 59.9 |
| Ogallala | AgriPro | 37 | 61.2 |
| OK 101 | OSU | 26 | 58.7 |
| OK 102 | OSU | 22 | 61.1 |
| Overley | KSU | 39 | 60.6 |
| Platte | AgriPro | 24 | 61.8 |
| Scout 66 | Nebraska/USDA | 33 | 61.4 |
| Stanton | KSU | 32 | 60.6 |
| Sturdy 2K | TAMU | 36 | 60.0 |
| T 81 | Trio Seed Research | 37 | 60.9 |
| TAM 105 | TAMU | 27 | 59.7 |
| TAM 107 | TAMU | 19 | 43.9 |
| TAM 110 | TAMU | 25 | 58.6 |
| TAM 110 CL | TAMU | 22 | 58.5 |
| TAM 111 | TAMU | 44 | 59.9 |
| TAM 112 | TAMU | 29 | 61.1 |
| TAM 202 | TAMU | 20 | 59.5 |
| TAM 303 | TAMU | 34 | 59.7 |
| TAM W-101 | TAMU | 23 | 61.6 |
| Thunderbolt | AgriPro | 29 | 60.8 |
| Trego | KSU | 31 | 61.6 |
| TX00D1390* | TAMU | 33 | 60.6 |
| TX00V1117* | TAMU | 37 | 62.3 |
| TX01D3232* | TAMU | 29 | 59.0 |
| | Mean | 30.4 | 60.0 |

* experimental wheat breeding line



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Uniform Wheat Variety Trial - Claude 2005

| Variety | Source | Grain Yield (bu/ac) | | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|-------------|------------------------|
| | | 2005 | 2-Year** | 3-Year*** | 2005 |
| 2145 | KSU | 34 | 30 | 27 | 59.8 |
| 2174 | OSU | 31 | 30 | 26 | 60.3 |
| Abilene Ag Exp* | Abilene Ag | 43 | - | - | 61.5 |
| AgriPro 4342* | AgriPro | 48 | - | - | 61.6 |
| AP 502 CL | AgriPro | 27 | 26 | 25 | 57.1 |
| Cisco | WestBred | 31 | 28 | 26 | 59.6 |
| Coronado | AgriPro | 38 | 31 | 27 | 59.6 |
| Cutter | AgriPro | 44 | 37 | 30 | 60.4 |
| Deliver | OSU | 40 | - | - | 61.7 |
| Dumas | AgriPro | 35 | 32 | 28 | 60.7 |
| Endurance | OSU | 36 | - | - | 60.4 |
| Fannin | AgriPro | 46 | 36 | - | 62.5 |
| HG-9 | Hardeman Grain | 43 | - | - | 62.0 |
| Jagalene | AgriPro | 41 | 36 | 31 | 62.8 |
| Jagger | KSU | 45 | 38 | 32 | 58.6 |
| Lockett | TAMU | 33 | 27 | 25 | 59.8 |
| Longhorn | AgriPro | 28 | 25 | 23 | 60.6 |
| Ogallala | AgriPro | 39 | 34 | 31 | 61.5 |
| OK 101 | OSU | 28 | 27 | 26 | 58.9 |
| OK 102 | OSU | 25 | 27 | 22 | 60.4 |
| Overley | KSU | 42 | 36 | - | 60.6 |
| Scout 66 | Nebraska/USDA | 38 | 29 | 28 | 61.6 |
| Stanton | KSU | 31 | 30 | 26 | 59.6 |
| Sturdy 2K | TAMU | 33 | 30 | - | 59.4 |
| T 81 | Trio Seed Research | 44 | - | - | 61.6 |
| TAM 105 | TAMU | 30 | 27 | 27 | 59.9 |
| TAM 107 | TAMU | 26 | 25 | 24 | 57.1 |
| TAM 110 | TAMU | 28 | 27 | 26 | 57.2 |
| TAM 110 CL | TAMU | 28 | 27 | 25 | 58.2 |
| TAM 111 | TAMU | 47 | 38 | 29 | 61.6 |
| TAM 112 | TAMU | 30 | 30 | - | 60.4 |
| TAM 202 | TAMU | 26 | 27 | 24 | 58.3 |
| TAM 303 | TAMU | 35 | 32 | - | 58.9 |
| TAM W-101 | TAMU | 30 | 27 | - | 61.2 |
| Thunderbolt | AgriPro | 37 | 31 | 27 | 62.3 |
| Trego | KSU | 27 | 27 | 22 | 60.3 |
| TX00D1390* | TAMU | 37 | - | - | 60.7 |
| TX00V1117* | TAMU | 39 | - | - | 61.6 |
| TX01D3232* | TAMU | 40 | - | - | 57.9 |
| TX01M5009* | TAMU | 43 | 36 | - | 60.1 |
| | Mean | 35.7 | 30.3 | 26.5 | 60.2 |

* experimental wheat breeding line

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Bushland, Irrigated 2005

| Variety | Source | Grain Yield (bu/ac) | | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|-------------|------------------------|
| | | 2005 | 2-Year** | 3-Year*** | 2005 |
| 2145 | KSU | 33 | 74 | 79 | 58.4 |
| 2174 | OSU | 30 | 66 | 73 | 56.8 |
| Abilene Ag Exp* | Abilene Ag | 37 | - | - | 61.5 |
| AgriPro 4342* | AgriPro | 52 | - | - | 62.7 |
| AP 502 CL | AgriPro | 31 | 68 | 74 | 53.1 |
| Cisco | WestBred | 38 | 77 | 80 | 53.2 |
| Coronado | AgriPro | 27 | 65 | 75 | 56.3 |
| Cutter | AgriPro | 57 | 80 | 85 | 61.1 |
| Deliver | OSU | 54 | - | - | 61.3 |
| Dumas | AgriPro | 34 | 66 | 75 | 58.0 |
| Endurance | OSU | 43 | - | - | 56.2 |
| Fannin | AgriPro | 55 | 72 | - | 61.7 |
| HG-9 | Hardeman Grain | 36 | - | - | 61.5 |
| Jagalene | AgriPro | 54 | 80 | 85 | 61.7 |
| Jagger | KSU | 60 | 85 | 86 | 58.6 |
| Lockett | TAMU | 34 | 62 | 68 | 58.0 |
| Longhorn | AgriPro | 26 | 59 | 65 | 58.6 |
| Ogallala | AgriPro | 41 | 71 | 81 | 61.5 |
| OK 101 | OSU | 39 | 79 | 84 | 55.2 |
| OK 102 | OSU | 33 | 75 | 80 | 56.4 |
| Overley | KSU | 47 | 59 | - | 60.0 |
| Scout 66 | Nebraska/USDA | 34 | 61 | 65 | 59.6 |
| Stanton | KSU | 26 | 77 | 83 | 58.2 |
| Sturdy 2K | TAMU | 32 | 37 | - | 59.4 |
| T 81 | Trio Seed Research | 69 | - | - | 61.5 |
| TAM 105 | TAMU | 44 | 80 | 86 | 57.5 |
| TAM 107 | TAMU | 30 | 66 | 72 | 53.4 |
| TAM 110 | TAMU | 36 | 72 | 77 | 53.9 |
| TAM 110 CL | TAMU | 35 | 70 | 78 | 54.6 |
| TAM 111 | TAMU | 80 | 103 | 104 | 61.1 |
| TAM 112 | TAMU | 28 | 64 | - | 54.8 |
| TAM 202 | TAMU | 24 | 50 | 66 | 54.4 |
| TAM 303 | TAMU | 43 | 82 | - | 56.8 |
| TAM W-101 | TAMU | 32 | 73 | - | 57.0 |
| Thunderbolt | AgriPro | 34 | 59 | 71 | 59.9 |
| Trego | KSU | 23 | 71 | 80 | 56.5 |
| TX00D1390* | TAMU | 44 | - | - | 57.0 |
| TX00V1117* | TAMU | 43 | - | - | 60.0 |
| TX01D3232* | TAMU | 41 | - | - | 57.6 |
| TX01M5009* | TAMU | 50 | 67 | - | 60.4 |
| | Mean | 40.1 | 70.0 | 78.0 | 58.1 |

* experimental wheat breeding line

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Candian 2005

| Variety | Source | Grain Yield | Test Weight |
|-----------------|--------------------|-------------|-------------|
| | | (bu/ac) | (lb/bu) |
| | | 2005 | 2005 |
| 2145 | KSU | 47 | 54.4 |
| 2174 | OSU | 31 | 53.0 |
| Abilene Ag Exp* | Abilene Ag | 47 | 57.3 |
| AgriPro 4342* | AgriPro | 69 | 59.2 |
| AP 502 CL | AgriPro | 25 | 45.2 |
| Cisco | WestBred | 37 | 52.8 |
| Coronado | AgriPro | 35 | 54.2 |
| Cutter | AgriPro | 56 | 55.6 |
| Deliver | OSU | 56 | 56.5 |
| Dumas | AgriPro | 35 | 52.0 |
| Endurance | OSU | 45 | 52.0 |
| Fannin | AgriPro | 60 | 58.7 |
| HG-9 | Hardeman Grain | 44 | 58.2 |
| Jagalene | AgriPro | 57 | 56.5 |
| Jagger | KSU | 55 | 55.2 |
| Lockett | TAMU | 31 | 52.4 |
| Longhorn | AgriPro | 28 | 56.1 |
| Ogallala | AgriPro | 51 | 56.4 |
| OK 101 | OSU | 35 | 49.9 |
| OK 102 | OSU | 30 | 54.4 |
| Overley | KSU | 69 | 54.9 |
| Platte | AgriPro | 28 | 55.6 |
| Scout 66 | Nebraska/USDA | 38 | 57.1 |
| Stanton | KSU | 35 | 54.7 |
| Sturdy 2K | TAMU | 42 | 53.0 |
| T 81 | Trio Seed Research | 55 | 55.0 |
| TAM 105 | TAMU | 38 | 53.2 |
| TAM 107 | TAMU | 30 | 48.0 |
| TAM 110 | TAMU | 28 | 46.7 |
| TAM 110 CL | TAMU | 30 | 48.7 |
| TAM 111 | TAMU | 64 | 53.0 |
| TAM 112 | TAMU | 27 | 53.0 |
| TAM 202 | TAMU | 24 | 48.9 |
| TAM 303 | TAMU | 38 | 51.8 |
| TAM W-101 | TAMU | 32 | 54.3 |
| Thunderbolt | AgriPro | 43 | 56.6 |
| Trego | KSU | 27 | 54.9 |
| TX00D1390* | TAMU | 49 | 55.3 |
| TX00V1117* | TAMU | 43 | 55.0 |
| TX01D3232* | TAMU | 45 | 52.6 |
| | Mean | 41.4 | 53.8 |

* experimental wheat breeding line



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Uniform Wheat Variety Trial - Etter, Dryland 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 36 | 35 | 59.7 |
| 2174 | OSU | 41 | 35 | 59.4 |
| Abilene Ag Exp* | Abilene Ag | 37 | - | 60.4 |
| AgriPro 4342* | AgriPro | 47 | - | 59.1 |
| AP 502 CL | AgriPro | 48 | 44 | 56.9 |
| Cisco | WestBred | 45 | 45 | 58.9 |
| Coronado | AgriPro | 50 | 41 | 57.8 |
| Cutter | AgriPro | 46 | 44 | 59.0 |
| Deliver | OSU | 49 | - | 60.6 |
| Dumas | AgriPro | 47 | 41 | 59.8 |
| Endurance | OSU | 54 | - | 59.4 |
| Fannin | AgriPro | 34 | 28 | 59.4 |
| HG-9 | Hardeman Grain | 42 | - | 60.1 |
| Jagalene | AgriPro | 36 | 38 | 60.6 |
| Jagger | KSU | 52 | 44 | 58.0 |
| Lockett | TAMU | 42 | 40 | 58.0 |
| Longhorn | AgriPro | 47 | 39 | 58.6 |
| Ogallala | AgriPro | 37 | 33 | 59.5 |
| OK 101 | OSU | 46 | 41 | 59.6 |
| OK 102 | OSU | 36 | 35 | 60.6 |
| Overley | KSU | 50 | 45 | 58.8 |
| Scout 66 | Nebraska/USDA | 42 | 38 | 58.8 |
| Stanton | KSU | 40 | 41 | 60.9 |
| Sturdy 2K | TAMU | 32 | 31 | 57.0 |
| T 81 | Trio Seed Research | 54 | - | 57.5 |
| TAM 105 | TAMU | 54 | 44 | 58.0 |
| TAM 107 | TAMU | 54 | 44 | 57.7 |
| TAM 110 | TAMU | 52 | 42 | 58.2 |
| TAM 110 CL | TAMU | 49 | 42 | 59.0 |
| TAM 111 | TAMU | 34 | 36 | 61.1 |
| TAM 112 | TAMU | 43 | 40 | 60.8 |
| TAM 202 | TAMU | 49 | 41 | 58.2 |
| TAM 303 | TAMU | 42 | 44 | 57.0 |
| TAM W-101 | TAMU | 38 | 35 | 59.4 |
| Thunderbolt | AgriPro | 44 | 41 | 60.9 |
| Trego | KSU | 32 | 36 | 61.8 |
| TX00D1390* | TAMU | 46 | - | 59.4 |
| TX00V1117* | TAMU | 59 | - | 59.2 |
| TX01D3232* | TAMU | 49 | - | 56.7 |
| TX01M5009* | TAMU | 51 | 43 | 57.5 |
| Mean | | 44.7 | 39.6 | 59.1 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Etter, Irrigated 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 59 | 48 | 60.8 |
| 2174 | OSU | 55 | 58 | 61.0 |
| Abilene Ag Exp* | Abilene Ag | 68 | - | 61.6 |
| AgriPro 4342* | AgriPro | 84 | - | 62.8 |
| AP 502 CL | AgriPro | 50 | 65 | 57.7 |
| Cisco | WestBred | 65 | 70 | 61.1 |
| Coronado | AgriPro | 57 | 65 | 59.4 |
| Cutter | AgriPro | 77 | 65 | 62.3 |
| Deliver | OSU | 60 | - | 61.9 |
| Dumas | AgriPro | 63 | 62 | 60.5 |
| Endurance | OSU | 67 | - | 61.1 |
| Fannin | AgriPro | 49 | 38 | 62.2 |
| HG-9 | Hardeman Grain | 60 | - | 62.1 |
| Jagalene | AgriPro | 62 | 61 | 61.8 |
| Jagger | KSU | 78 | 66 | 59.8 |
| Lockett | TAMU | 58 | 61 | 59.9 |
| Longhorn | AgriPro | 69 | 65 | 61.7 |
| Ogallala | AgriPro | 68 | 61 | 63.2 |
| OK 101 | OSU | 66 | 68 | 62.2 |
| OK 102 | OSU | 57 | 66 | 60.6 |
| Overley | KSU | 74 | 52 | 61.6 |
| Scout 66 | Nebraska/USDA | 62 | 55 | 61.6 |
| Stanton | KSU | 54 | 65 | 61.0 |
| Sturdy 2K | TAMU | 48 | 32 | 60.4 |
| T 81 | Trio Seed Research | 74 | - | 61.8 |
| TAM 105 | TAMU | 72 | 81 | 60.6 |
| TAM 107 | TAMU | 68 | 71 | 59.8 |
| TAM 110 | TAMU | 67 | 68 | 59.4 |
| TAM 110 CL | TAMU | 63 | 65 | 59.4 |
| TAM 111 | TAMU | 77 | 72 | 63.0 |
| TAM 112 | TAMU | 53 | 59 | 62.1 |
| TAM 202 | TAMU | 63 | 41 | 61.1 |
| TAM 303 | TAMU | 75 | 74 | 61.0 |
| TAM W-101 | TAMU | 57 | 64 | 61.6 |
| Thunderbolt | AgriPro | 62 | 49 | 62.0 |
| Trego | KSU | 40 | 55 | 61.1 |
| TX00D1390* | TAMU | 72 | - | 62.5 |
| TX00V1117* | TAMU | 71 | - | 61.8 |
| TX01D3232* | TAMU | 81 | - | 60.2 |
| TX01M5009* | TAMU | 71 | 63 | 61.7 |
| Mean | | 64.4 | 60.8 | 61.2 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Dalhart 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-----------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 97 | 74 | 60.6 |
| 2174 | OSU | 104 | 79 | 62.4 |
| Abilene Ag Exp* | Abilene Ag | 98 | - | 61.9 |
| AgriPro 4342* | AgriPro | 107 | - | 63.1 |
| AP 502 CL | AgriPro | 100 | 82 | 60.8 |
| Cisco | WestBred | 109 | 86 | 60.8 |
| Coronado | AgriPro | 102 | 80 | 60.9 |
| Cutter | AgriPro | 113 | 84 | 62.5 |
| Deliver | OSU | 105 | - | 61.8 |
| Dumas | AgriPro | 117 | 91 | 62.5 |
| Endurance | OSU | 108 | - | 60.8 |
| Fannin | AgriPro | 93 | 72 | 61.8 |
| HG-9 | Hardeman Grain | 87 | - | 62.9 |
| Jagalene | AgriPro | 106 | 85 | 62.9 |
| Jagger | KSU | 107 | 80 | 59.6 |
| Lockett | TAMU | 87 | 68 | 61.6 |
| Longhorn | AgriPro | 88 | 71 | 61.8 |
| Ogallala | AgriPro | 103 | 80 | 63.0 |
| OK 101 | OSU | 97 | 79 | 61.6 |
| OK 102 | OSU | 100 | 76 | 62.0 |
| Overley | KSU | 111 | 84 | 63.0 |
| Platte | AgriPro | 93 | - | 62.5 |
| Scout 66 | Nebraska/USDA | 81 | 66 | 62.7 |
| Stanton | KSU | 103 | 80 | 61.4 |
| Sturdy 2K | TAMU | 104 | 80 | 60.0 |
| T 81 | Trio Seed Research | 110 | 110 | 62.0 |
| TAM 105 | TAMU | 105 | 77 | 61.5 |
| TAM 107 | TAMU | 103 | 77 | 61.8 |
| TAM 110 | TAMU | 105 | 83 | 62.7 |
| TAM 110 CL | TAMU | 95 | 80 | 62.0 |
| TAM 111 | TAMU | 120 | 88 | 62.8 |
| TAM 112 | TAMU | 96 | 80 | 61.3 |
| TAM 202 | TAMU | 97 | 81 | 60.8 |
| TAM 303 | TAMU | 103 | 80 | 60.4 |
| TAM W-101 | TAMU | 89 | 71 | 61.7 |
| Thunderbolt | AgriPro | 105 | 81 | 63.4 |
| Trego | KSU | 96 | 80 | 61.3 |
| TX00D1390* | TAMU | 97 | - | 61.8 |
| TX00V1117* | TAMU | 110 | - | 62.6 |
| TX01D3232* | TAMU | 103 | - | 59.9 |
| Mean | | 101.3 | 80.1 | 61.8 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Perryton, Dryland 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|---------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 41 | 27 | 57.3 |
| 2174 | OSU | 46 | 37 | 56.7 |
| AgriPro 4342* | AgriPro | 54 | - | 56.7 |
| Cisco | WestBred | 44 | - | 55.3 |
| Coronado | AgriPro | 50 | 39 | 56.7 |
| Cutter | AgriPro | 51 | 38 | 57.3 |
| Deliver | OSU | 46 | - | 55.3 |
| Dumas | AgriPro | 51 | 43 | 58.3 |
| Endurance | OSU | 51 | - | 56.7 |
| Fannin | AgriPro | 50 | - | 57.7 |
| HG-9 | Hardeman Grain | 44 | - | 54.3 |
| Jagalene | AgriPro | 49 | 41 | 59.7 |
| Jagger | KSU | 58 | 42 | 57.7 |
| Lockett | TAMU | 45 | 33 | 54.7 |
| Longhorn | AgriPro | 49 | 36 | 56.0 |
| Ogallala | AgriPro | 43 | 38 | 59.0 |
| OK 101 | OSU | 45 | 36 | 54.3 |
| OK 102 | OSU | 45 | 35 | 58.0 |
| Overley | KSU | 46 | 35 | 56.7 |
| Platte | AgriPro | 49 | - | 58.7 |
| Scout 66 | Nebraska/USDA | 46 | 35 | 56.7 |
| Stanton | KSU | 46 | 37 | 55.3 |
| Sturdy 2K | TAMU | 49 | 33 | 55.7 |
| T 81 | Trio Seed Research | 50 | - | 57.7 |
| TAM 105 | TAMU | 45 | 36 | 56.7 |
| TAM 107 | TAMU | 39 | - | 54.0 |
| TAM 110 | TAMU | 46 | 39 | 55.7 |
| TAM 110 CL | TAMU | 45 | 40 | 56.7 |
| TAM 111 | TAMU | 57 | 44 | 57.7 |
| TAM 112 | TAMU | 50 | - | 55.7 |
| TAM 202 | TAMU | 47 | 37 | 56.7 |
| TAM 303 | TAMU | 50 | - | 54.3 |
| TAM W 101 | TAMU | 37 | 33 | 56.7 |
| Thunderbolt | AgriPro | 48 | 34 | 58.3 |
| Trego | KSU | 45 | 36 | 57.3 |
| TX00D1390* | TAMU | 51 | - | 55.3 |
| TX00V1117* | TAMU | 50 | - | 57.7 |
| TX01D3232* | TAMU | 46 | - | 54.0 |
| Mean | | 47.5 | 36.6 | |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Perryton, Irrigated 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|---------------|--------------------|------------------------|-------------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 72 | 61 | 59.0 |
| 2174 | OSU | 63 | 69 | 57.4 |
| AgriPro 4342* | AgriPro | 85 | - | 62.3 |
| Cisco | WestBred | 66 | - | 56.4 |
| Coronado | AgriPro | 68 | 71 | 57.9 |
| Cutter | AgriPro | 75 | 63 | 59.6 |
| Deliver | OSU | 75 | - | 58.7 |
| Dumas | AgriPro | 76 | 69 | 61.0 |
| Endurance | OSU | 71 | - | 58.5 |
| Fannin | AgriPro | 62 | - | 61.0 |
| HG-9 | Hardeman Grain | 58 | - | 55.6 |
| Jagalene | AgriPro | 86 | 81 | 61.7 |
| Jagger | KSU | 85 | 65 | 59.5 |
| Lockett | TAMU | 60 | 57 | 56.4 |
| Longhorn | AgriPro | 61 | 55 | 58.0 |
| Ogallala | AgriPro | 81 | 72 | 62.4 |
| OK 101 | OSU | 67 | 65 | 57.5 |
| OK 102 | OSU | 65 | 66 | 57.9 |
| Overley | KSU | 75 | 53 | 61.3 |
| Platte | AgriPro | 68 | - | 59.3 |
| Scout 66 | Nebraska/USDA | 70 | 55 | 60.6 |
| Stanton | KSU | 62 | 70 | 59.5 |
| Sturdy 2K | TAMU | 42 | 28 | 57.7 |
| T 81 | Trio Seed Research | 84 | - | 60.5 |
| TAM 105 | TAMU | 69 | 70 | 58.2 |
| TAM 107 | TAMU | 57 | - | 55.6 |
| TAM 110 | TAMU | 61 | 65 | 57.1 |
| TAM 110 CL | TAMU | 64 | 73 | 56.4 |
| TAM 111 | TAMU | 95 | 88 | 62.9 |
| TAM 112 | TAMU | 64 | - | 58.1 |
| TAM 202 | TAMU | 59 | 52 | 57.9 |
| TAM 303 | TAMU | 78 | - | 57.5 |
| TAM W-101 | TAMU | 63 | 65 | 59.2 |
| Thunderbolt | AgriPro | 67 | 53 | 62.6 |
| Trego | KSU | 63 | 72 | 57.9 |
| TX00D1390* | TAMU | 86 | - | 59.7 |
| TX00V1117* | TAMU | 80 | - | 60.9 |
| TX01D3232* | TAMU | 81 | - | 57.8 |
| Mean | | 70.1 | 63.8 | |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Rolling Plains – 2005 Uniform Wheat Variety Trials

Gaylon Morgan, TCE State Small Grains Specialist – College Station
Jackie Rudd, Wheat Breeder – Amarillo
Todd Baughman, Extension Agronomist - Vernon
Jason Baker, Research Associate – Vernon
Revindra Devkota, Research Associate – Amarillo
Jacob Shaffer, Graduate Student – College Station
Ben McKay, Extension Assistant – College Station

Purpose: To provide unbiased yield data for wheat producers across the state. With this information, Texas wheat producers can make an educated decision about the most appropriate variety for their geographic region.

Overview: The Uniform Variety Trial (UVT) is coordinated and implemented by numerous TCE and TAES faculty and staff from Amarillo, Vernon, and College Station. Dr. David Worrall with Agri-Pro Wheat is also a key collaborator and contributed data from the Muenster location. We also appreciate the cooperation from numerous County Extension Agents and growers. In the Rolling Plains, three locations of the UVT were planted, Abilene, Chillicothe, and Chillicothe/Hardeman Grain. Below is a table describing the “issues” that affected the 2004-05 wheat crop at each location.

Funding: The State Uniform Variety Trial is funded by the Texas Wheat Producers Board.

| Location | Issues |
|--------------------------------------|---|
| Muenster – Dryland | Stripe rust, dry spring |
| Abilene - Dryland | December planted, wet winter, dry spring, minimal spring disease pressure |
| Chillicothe - Dryland | Wet fall and winter followed by a dry spring, stripe rust |
| Chillicothe/Hardeman Grain - Dryland | Wet fall and winter followed by a dry spring |



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Uniform Wheat Variety Trial - Muenster, Dryland 2005

| Variety | Source | Grain Yield | Test Weight |
|------------------------------|----------------|-------------|-------------|
| | | (bu/ac) | (lb/bu) |
| | | 2005 | 2005 |
| 2145 | KSU | 57.5 | 60.0 |
| 2174 | OSU | 31.8 | 57.5 |
| 2145 + Coronado + Fannin | (blend) | 50.7 | 59.7 |
| Abilene Ag Exp* | Abilene Ag | 28.2 | 56.5 |
| AP02T4342 | AgriPro | 53.2 | 58.5 |
| Cisco | WestBred | 39.7 | 57.4 |
| Coronado | AgriPro | 39.5 | 57.8 |
| Cutter | AgriPro | 40.9 | 57.2 |
| Deliver | OSU | 46.6 | 59.4 |
| Dumas | AgriPro | 46.7 | 60.2 |
| Endurance | OSU | 46.7 | 58.6 |
| Fannin | AgriPro | 51.3 | 59.6 |
| Fannin + Cutter + Sturdy 2K | (blend) | 49.3 | 58.4 |
| HG-9 | Hardeman Grain | 27.1 | 57.1 |
| Jagalene | AgriPro | 44.1 | 57.9 |
| Jagger | KSU | 35.1 | 57.1 |
| Lockett | TAMU | 19.7 | 57.1 |
| Longhorn | AgriPro | 24.3 | 57.2 |
| NEOSHO | AgriPro | 31.7 | 56.5 |
| Ogallala | AgriPro | 32.0 | 57.9 |
| OK 101 | OSU | 33.4 | 56.5 |
| OK 102 | OSU | 37.5 | 59.5 |
| Overley | KSU | 36.3 | 56.0 |
| Stanton | KSU | 19.9 | 56.5 |
| Sturdy 2K | TAMU | 48.9 | 58.0 |
| TAM 105 | TAMU | 14.9 | 56.8 |
| TAM 107 | TAMU | 18.3 | 58.0 |
| TAM 110 | TAMU | 22.8 | 57.3 |
| TAM 110 CL | TAMU | 19.3 | 56.8 |
| TAM 111 | AgriPro | 29.0 | 55.5 |
| TAM 111 + Cutter + Sturdy 2K | (blend) | 41.3 | 57.9 |
| TAM 112 | TAMU | 26.9 | 57.0 |
| TAM 202 | TAMU | 13.3 | 57.2 |
| TAM W-101 | TAMU | 19.5 | 56.2 |
| Thunderbolt | AgriPro | 15.9 | 57.8 |
| Trego | KSU | 31.7 | 56.5 |
| TX00D1390* | TAMU | 53.5 | 58.7 |
| TX00V1117* | TAMU | 29.5 | 56.4 |
| TX01D3232* | TAMU | 52.3 | 56.9 |
| TX01M5009* | TAMU | 48.7 | 59.2 |
| TX98D1170* | TAMU | 45.0 | 57.5 |
| Mean | | 34.0 | 57.7 |

* experimental wheat breeding line



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Uniform Wheat Variety Trial - Abilene, Dryland 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|------------------------------|----------------|------------------------|-----------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 48 | 51 | 58.0 |
| 2145 + Coronado + Fannin | (blend) | 48 | - | 58.5 |
| Abilene Ag Exp* | Abilene Ag | 35 | - | 58.2 |
| AgriPro 4342* | AgriPro | 49 | - | 59.4 |
| AP 502 CL | AgriPro | 37 | 41 | 58.0 |
| Cisco | WestBred | 40 | - | 58.3 |
| Coronado | AgriPro | 47 | 49 | 59.7 |
| Cutter | AgriPro | 47 | 50 | 59.2 |
| Deliver | OSU | 44 | - | 58.7 |
| Dumas | AgriPro | 29 | 42 | 59.1 |
| Endurance | OSU | 40 | - | 57.8 |
| Fannin | AgriPro | 44 | 46 | 59.8 |
| Fannin + Cutter + Sturdy 2K | (blend) | 47 | - | 59.2 |
| HG-9 | Hardeman Grain | 41 | - | 59.3 |
| Jagalene | AgriPro | 48 | 53 | 60.7 |
| Jagger | KSU | 52 | 47 | 57.2 |
| Lockett | TAMU | 29 | 31 | 55.6 |
| Longhorn | AgriPro | 28 | 36 | 57.7 |
| Ogallala | AgriPro | 44 | 47 | 59.7 |
| OK 101 | OSU | 34 | - | 58.1 |
| OK 102 | OSU | 27 | 37 | 59.1 |
| Overley | KSU | 45 | 48 | 60.1 |
| Stanton | KSU | 42 | 48 | 59.3 |
| Sturdy 2K | TAMU | 36 | 38 | 58.2 |
| TAM 105 | TAMU | 32 | - | 58.4 |
| TAM 107 | TAMU | 32 | 37 | 59.0 |
| TAM 110 | TAMU | 35 | 42 | 59.0 |
| TAM 110 CL | TAMU | 37 | 45 | 58.8 |
| TAM 111 | TAMU | 50 | 49 | 60.4 |
| TAM 111 + Cutter + Sturdy 2K | (blend) | 53 | - | 58.6 |
| TAM 112 | TAMU | 45 | 50 | 61.0 |
| TAM 202 | TAMU | 38 | 44 | 59.7 |
| TAM 303 | TAMU | 46 | 54 | 58.6 |
| TAM W-101 | TAMU | 35 | 40 | 58.1 |
| Thunderbolt | AgriPro | 42 | 45 | 60.0 |
| Trego | KSU | 50 | 52 | 59.7 |
| TX00D1390* | TAMU | 58 | - | 60.6 |
| TX00V1117* | TAMU | 30 | - | 59.6 |
| TX01D3232* | TAMU | 59 | - | 58.2 |
| TX01M5009* | TAMU | 56 | 55 | 57.9 |
| | Mean | 42 | 45 | 58.9 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Chillicothe, Dryland 2005

| Variety | Source | Grain Yield (bu/ac) | | | Test Weight (lb/bu) |
|-------------------|----------------|------------------------|-----------|-----------|------------------------|
| | | 2005 | 2-Year** | 3-Year*** | 2005 |
| 2145 | KSU | 43 | 51 | 51 | 64.7 |
| 2174 | OSU | 27 | 42 | 39 | 63.8 |
| Abilene Ag Exp* | Abilene Ag | 51 | - | - | 62.7 |
| AgriPro 4342* | AgriPro | 53 | - | - | 64.6 |
| AP 502 CL | AgriPro | 36 | 48 | 45 | 60.3 |
| Cisco | WestBred | 40 | 40 | 43 | 62.8 |
| Coronado | AgriPro | 38 | 48 | 45 | 63.3 |
| Cutter | AgriPro | 53 | 57 | 56 | 63.8 |
| Deliver | OSU | 42 | - | - | 63.8 |
| Dumas | AgriPro | 41 | 48 | 48 | 65.1 |
| Endurance | OSU | 47 | - | - | 63.5 |
| Fannin | AgriPro | 46 | 53 | - | 63.3 |
| HG-9 | Hardeman Grain | 55 | 54 | 50 | 62.7 |
| Jagalene | AgriPro | 54 | 57 | 57 | 64.4 |
| Jagger | KSU | 49 | 54 | 53 | 63.0 |
| Lockett | TAMU | 39 | 46 | 45 | 63.3 |
| Longhorn | AgriPro | 41 | 46 | 43 | 62.5 |
| Ogallala | AgriPro | 52 | 53 | 51 | 64.4 |
| OK 101 | OSU | 35 | 49 | 47 | 64.7 |
| OK 102 | OSU | 32 | 44 | 43 | 64.6 |
| Overley | KSU | 58 | 58 | - | 64.6 |
| Stanton | KSU | 36 | 47 | 46 | 62.7 |
| Sturdy 2K | TAMU | 46 | 51 | - | 63.3 |
| TAM 105 | TAMU | 43 | - | - | 61.3 |
| TAM 107 | TAMU | 34 | 46 | 45 | 62.1 |
| TAM 110 | TAMU | 40 | 49 | 47 | 61.7 |
| TAM 110 CL | TAMU | 38 | 48 | 45 | 62.4 |
| TAM 111 | TAMU | 54 | 57 | 54 | 64.0 |
| TAM 112 | TAMU | 42 | 55 | - | 64.1 |
| TAM 202 | TAMU | 37 | 48 | 47 | 64.4 |
| TAM 303 | TAMU | 43 | 52 | - | 63.0 |
| TAM W-101 | TAMU | 31 | 42 | 40 | 64.0 |
| Thunderbolt | AgriPro | 47 | 48 | 47 | 64.1 |
| Trego | KSU | 31 | 46 | 47 | 64.1 |
| TX00D1390* | TAMU | 51 | - | - | 64.1 |
| TX00V1117* | TAMU | 60 | - | - | 57.0 |
| TX01D3232* | TAMU | 51 | - | - | 63.0 |
| TX01M5009* | TAMU | 47 | 50 | - | 62.2 |
| Weathermaster 135 | - | 53 | 51 | 48 | 62.5 |
| Wintex | - | 49 | 52 | 49 | 62.7 |
| | Mean | 44 | 50 | 47 | 63.2 |

* experimental wheat breeding line

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Chillicothe/Hardeman Grain, Dryland 2005

| Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-------------------|----------------|------------------------|-----------|------------------------|
| | | 2005 | 2-Year** | 2005 |
| 2145 | KSU | 35 | 47 | 62.2 |
| 2174 | OSU | 21 | 43 | 61.4 |
| Abilene Ag Exp* | Abilene Ag | 25 | - | 59.9 |
| AgriPro 4342* | AgriPro | 34 | - | 62.2 |
| AP 502 CL | AgriPro | 39 | 53 | 60.3 |
| Cisco | WestBred | 30 | - | 61.3 |
| Coronado | AgriPro | 34 | 48 | 60.5 |
| Cutter | AgriPro | 33 | 50 | 61.6 |
| Deliver | OSU | 33 | - | 62.4 |
| Dumas | AgriPro | 35 | 52 | 61.6 |
| Endurance | OSU | 40 | - | 62.2 |
| Fannin | AgriPro | 30 | 50 | 61.3 |
| HG-9 | Hardeman Grain | 21 | 40 | 59.7 |
| Jagalene | AgriPro | 41 | 52 | 63.8 |
| Jagger | KSU | 42 | 52 | 61.4 |
| Lockett | TAMU | 27 | 37 | 60.2 |
| Longhorn | AgriPro | 21 | 37 | 59.9 |
| Ogallala | AgriPro | 33 | 45 | 62.7 |
| OK 101 | OSU | 32 | 46 | 61.7 |
| OK 102 | OSU | 23 | 44 | 61.6 |
| Overley | KSU | 42 | 54 | 61.4 |
| Stanton | KSU | 23 | 43 | 61.6 |
| Sturdy 2K | TAMU | 31 | 45 | 61.6 |
| TAM 105 | TAMU | 32 | - | 61.0 |
| TAM 107 | TAMU | 30 | 44 | 61.0 |
| TAM 110 | TAMU | 34 | 49 | 60.8 |
| TAM 110 CL | TAMU | 41 | 54 | 61.6 |
| TAM 111 | TAMU | 33 | 48 | 61.6 |
| TAM 112 | TAMU | 31 | 50 | 61.3 |
| TAM 202 | TAMU | 36 | 52 | 59.5 |
| TAM 303 | TAMU | 33 | 51 | 60.3 |
| TAM W-101 | TAMU | 30 | 40 | 60.2 |
| Thunderbolt | AgriPro | 42 | 49 | 62.4 |
| Trego | KSU | 21 | 41 | 62.5 |
| TX00D1390* | TAMU | 36 | - | 60.5 |
| TX00V1117* | TAMU | 21 | - | 59.4 |
| TX01D3232* | TAMU | 34 | - | 60.6 |
| TX01M5009* | TAMU | 30 | 47 | 59.7 |
| Weathermaster 135 | - | 27 | 41 | 61.0 |
| Wintex | - | 21 | 38 | 57.5 |
| | Mean | 31 | 47 | 61.1 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Blacklands – 2005

Uniform Wheat Variety Trials

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Gaylon Morgan, TCE State Small Grains Specialist – College Station
Jim Heitholt, Plant Physiology - Dallas
Jim Swart, IPM Agent - Commerce
Jackie Rudd, Wheat Breeder – Amarillo
Ben McKay, Extension Assistant – College Station

Purpose: To provide unbiased yield data for wheat producers across the state. With this information, Texas wheat producers can make an educated decision about the most appropriate variety for their geographic region.

Overview: This Uniform Variety Trial (UVT) evaluated both hard and soft wheat varieties within the same trial. This research is coordinated and implemented by numerous TCE and TAES faculty and staff from Amarillo, Dallas, College Station, and Commerce. We greatly appreciate the cooperation of Bob Beakley at the Ellis County location. We also appreciate the cooperation from numerous County Extension and IPM Agents. The HRW and SRW UVT was planted and harvested at 3 locations within the Blacklands, including Prosper, Bardwell, and McGregor, and the SRW UVT alone was planted at Royse City. Below is a table describing the “issues” that affected the 2004-05 wheat crop at each location.

Funding: The State Uniform Variety Trial is funded by the Texas Wheat Producers Board.

| Location | Issues |
|--------------|--|
| McGregor | Leaf rust, stripe rust, dry spring |
| Ellis County | Leaf rust, dry spring |
| Prosper | Leaf rust, stripe rust, dry spring |
| Royse City | Stripe rust, leaf rust, dry spring, some bird damage |



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Uniform Wheat Variety Trial - McGregor 2005

| Class. | Variety | Source | Grain Yield (bu/ac) | | | Test Weight (lb/bu) |
|--------|-----------------|----------------|------------------------|----------|-----------|------------------------|
| | | | 2005 | 2-Year** | 3-Year*** | 2005 |
| H | 2145 | KSU | 42 | 50 | 56 | 59.1 |
| H | Abilene Ag Exp* | Abilene Ag | 40 | - | - | 58.7 |
| H | AgriPro 4342* | AgriPro | 46 | - | - | 61.0 |
| H | AP 502 CL | AgriPro | 41 | 34 | 38 | 56.2 |
| S | B980582* | Syngenta | 46 | - | - | 59.2 |
| S | Beretta | AgriPro | 62 | - | - | 56.0 |
| H | Cisco | WestBred | 46 | - | - | 57.9 |
| S | Coker 9553 | AgriPro | 70 | - | - | 57.8 |
| H | Coronado | AgriPro | 48 | 46 | 46 | 59.7 |
| S | Crawford | AgriPro | 60 | 64 | - | 56.5 |
| H | Cutter | AgriPro | 38 | 44 | 54 | 59.2 |
| H | Deliver | OSU | 48 | - | - | 58.0 |
| S | DK 1551W | Delta King | 62 | - | - | 57.3 |
| S | DK 7710 | Delta King | 50 | - | - | 57.8 |
| S | DK 7830 | Delta King | 45 | - | - | 57.8 |
| S | DK 7900 | Delta King | 47 | - | - | 56.9 |
| S | DK 9410 | Delta King | 52 | - | - | 57.9 |
| H | Dumas | AgriPro | 38 | 42 | 42 | 58.7 |
| H | Endurance | OSU | 50 | - | - | 58.0 |
| H | Fannin | AgriPro | 60 | 59 | - | 58.9 |
| S | HBK 3266 | Hornbeck | 60 | - | - | 59.5 |
| H | HG-9 | Hardeman Grain | 41 | - | - | 56.7 |
| H | Jagalene | AgriPro | 39 | 41 | 55 | 59.2 |
| H | Jagger | KSU | 36 | 32 | 40 | 58.8 |
| S | LA 481 | Terral Seed | 69 | - | - | 56.0 |
| S | LA 9560* | LSU | 64 | - | - | 60.3 |
| H | Lockett | TAMU | 32 | 25 | 31 | 55.8 |
| H | Longhorn | AgriPro | 33 | 33 | 35 | 57.8 |
| S | Mason | AgriPro | 50 | 60 | - | 52.6 |
| S | Natchez | AgriPro | 52 | 61 | - | 56.8 |
| S | NK Coker 9295 | Syngenta | 56 | 56 | - | 59.1 |
| S | NK Coker 9375 | Syngenta | 40 | 53 | - | 56.1 |
| S | NK Coker 9663 | Syngenta | 49 | 49 | - | 58.1 |
| H | Ogallala | AgriPro | 52 | 46 | 51 | 59.1 |
| H | OK 101 | OSU | 34 | - | - | 57.0 |
| H | OK 102 | OSU | 34 | 44 | 45 | 58.5 |
| H | Overley | KSU | 59 | 54 | - | 58.9 |
| S | P25R37 | Pioneer | 43 | 43 | - | 57.9 |
| S | P25R47 | Pioneer | 60 | 65 | - | 53.8 |
| S | Panola | AgriPro | 55 | - | - | 55.4 |
| S | Progeny 110 | Progeny | 49 | 47 | - | 57.6 |
| S | Progeny 125 | Progeny | 36 | - | - | 57.8 |
| S | Progeny 133 | Progeny | 46 | 46 | - | 57.2 |
| S | Progeny 145 | Progeny | 40 | 43 | - | 57.5 |
| S | Progeny 155 | Progeny | 30 | - | - | 55.9 |

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Uniform Wheat Variety Trial - McGregor 2005 (cont'd)

| Class. | Source | Variety | Grain Yield (bu/ac) | | | Test Weight (lb/bu) |
|-------------|-------------|-------------------|------------------------|-----------|-----------|------------------------|
| | | | 2005 | 2-Year** | 3-Year*** | 2005 |
| S | Progeny 156 | Progeny | 41 | 41 | - | 54.8 |
| S | Progeny 166 | Progeny | 42 | 42 | - | 57.1 |
| S | Progeny 185 | Progeny | 61 | - | - | 57.5 |
| H | Stanton | KSU | 39 | 46 | 48 | 59.0 |
| H | Sturdy 2K | TAMU | 53 | 50 | 52 | 58.9 |
| H | TAM 105 | TAMU | 36 | - | - | 56.0 |
| H | TAM 107 | TAMU | 34 | 30 | 35 | 56.7 |
| H | TAM 110 | TAMU | 41 | 35 | 40 | 56.6 |
| H | TAM 110 CL | TAMU | 35 | 34 | 40 | 56.7 |
| H | TAM 111 | TAMU | 51 | 44 | 54 | 59.0 |
| H | TAM 112 | TAMU | 48 | 45 | - | 59.3 |
| H | TAM 202 | TAMU | 36 | 31 | 38 | 56.9 |
| H | TAM 303 | TAMU | 58 | 57 | - | 57.7 |
| H | TAM W-101 | TAMU | 40 | 30 | - | 57.0 |
| H | Thunderbolt | AgriPro | 46 | 42 | 44 | 59.9 |
| H | Trego | KSU | 42 | 46 | 47 | 58.9 |
| S | TV 8450 | Terral Seed | 47 | - | - | 57.4 |
| S | TV 8466 | Terral Seed | 66 | - | - | 57.7 |
| S | TV 8502 | Terral Seed | 38 | - | - | 57.1 |
| S | TV 8565 | Terral Seed | 46 | - | - | 56.9 |
| S | TVX83W479* | Terral Seed | 68 | - | - | 57.3 |
| S | TVX84W451* | Terral Seed | 44 | - | - | 56.3 |
| H | TX00D1390* | TAMU | 69 | - | - | 59.1 |
| H | TX00V1117* | TAMU | 53 | - | - | 58.2 |
| H | TX01D3232* | TAMU | 63 | - | - | 57.0 |
| H | TX01M5009* | TAMU | 65 | 64 | - | 57.7 |
| S | UGA 2E26* | UGA | 74 | - | - | 60.2 |
| S | UGA 2E31* | UGA | 67 | - | - | 59.5 |
| S | USG 3209 | UniSouth Genetics | 61 | - | - | 59.8 |
| S | USG 3592 | UniSouth Genetics | 54 | - | - | 59.8 |
| Mean | | | 49 | 45 | 45 | 57.8 |

* experimental variety

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Ellis County 2005

| Class. | Variety | Source | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|--------|-----------------|----------------|------------------------|----------|------------------------|
| | | | 2005 | 2-Year** | 2005 |
| H | 2145 | KSU | 42 | 46 | 59.2 |
| H | Abilene Ag Exp* | Abilene Ag | 51 | - | 61.3 |
| H | AgriPro 4342* | AgriPro | 52 | - | 61.9 |
| H | AP 502 CL | AgriPro | 30 | 35 | 53.7 |
| S | B980582* | Syngenta | 51 | - | 60.9 |
| S | Beretta | AgriPro | 72 | - | 60.0 |
| H | Cisco | WestBred | 44 | - | 56.2 |
| S | Coker 9553 | AgriPro | 74 | - | 62.1 |
| H | Coronado | AgriPro | 56 | 53 | 58.5 |
| S | Crawford | AgriPro | 64 | 62 | 60.6 |
| H | Cutter | AgriPro | 35 | 41 | 58.5 |
| H | Deliver | OSU | 57 | - | 59.7 |
| S | DK 1551W | Delta King | 57 | - | 60.3 |
| S | DK 7710 | Delta King | 58 | - | 58.9 |
| S | DK 7830 | Delta King | 56 | - | 58.3 |
| S | DK 7900 | Delta King | 56 | - | 58.6 |
| S | DK 9410 | Delta King | 56 | - | 58.4 |
| H | Dumas | AgriPro | 51 | 54 | 60.6 |
| H | Endurance | OSU | 59 | - | 57.1 |
| H | Fannin | AgriPro | 65 | 61 | 61.7 |
| S | HBK 3266 | Hornbeck | 53 | - | 59.0 |
| H | HG-9 | Hardeman Grain | 49 | - | 60.8 |
| H | Jagalene | AgriPro | 31 | 41 | 58.7 |
| H | Jagger | KSU | 37 | 42 | 57.2 |
| S | LA 481 | Terral Seed | 84 | - | 61.2 |
| S | LA 9560* | LSU | 73 | - | 62.6 |
| H | Lockett | TAMU | 20 | 23 | 56.2 |
| H | Longhorn | AgriPro | 45 | 38 | 59.8 |
| S | Mason | AgriPro | 50 | 50 | 58.4 |
| S | Natchez | AgriPro | 56 | 49 | 58.1 |
| S | NK Coker 9295 | Syngenta | 46 | 51 | 57.1 |
| S | NK Coker 9375 | Syngenta | 42 | 45 | 58.2 |
| S | NK Coker 9663 | Syngenta | 42 | 46 | 58.1 |
| H | Ogallala | AgriPro | 52 | 46 | 62.1 |
| H | OK 101 | OSU | 45 | - | 60.0 |
| H | OK 102 | OSU | 42 | 51 | 60.8 |
| H | Overley | KSU | 48 | 50 | 61.4 |
| S | P25R37 | Pioneer | 54 | 51 | 60.9 |
| S | P25R47 | Pioneer | 77 | 62 | 58.1 |
| S | Panola | AgriPro | 64 | - | 59.6 |
| S | Progeny 110 | Progeny | 56 | 42 | 58.9 |
| S | Progeny 125 | Progeny | 27 | - | 55.9 |
| S | Progeny 133 | Progeny | 55 | 45 | 59.0 |
| S | Progeny 145 | Progeny | 53 | 40 | 59.5 |
| S | Progeny 155 | Progeny | 38 | - | 54.5 |

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Uniform Wheat Variety Trial - Ellis County 2005 (cont'd)

| Class. | Source | Variety | Grain Yield (bu/ac) | | Test Weight (lb/bu) |
|-------------|-------------|-------------------|------------------------|-----------|------------------------|
| | | | 2005 | 2-Year** | 2005 |
| S | Progeny 156 | Progeny | 55 | 50 | 58.4 |
| S | Progeny 166 | Progeny | 56 | 41 | 58.2 |
| S | Progeny 185 | Progeny | 50 | - | 58.5 |
| H | Stanton | KSU | 41 | 47 | 58.5 |
| H | Sturdy 2K | TAMU | 55 | 52 | 59.8 |
| H | TAM 105 | TAMU | 42 | - | 59.3 |
| H | TAM 107 | TAMU | 29 | 34 | 54.8 |
| H | TAM 110 | TAMU | 32 | 39 | 53.5 |
| H | TAM 110 CL | TAMU | 33 | 40 | 54.7 |
| H | TAM 111 | TAMU | 54 | 52 | 58.8 |
| H | TAM 112 | TAMU | 39 | 48 | 57.0 |
| H | TAM 202 | TAMU | 34 | 39 | 56.1 |
| H | TAM 303 | TAMU | 52 | 59 | 58.1 |
| H | TAM W-101 | TAMU | 36 | 34 | 58.9 |
| H | Thunderbolt | AgriPro | 44 | 35 | 61.2 |
| H | Trego | KSU | 36 | 43 | 57.9 |
| S | TV 8450 | Terral Seed | 54 | - | 58.8 |
| S | TV 8466 | Terral Seed | 65 | - | 59.2 |
| S | TV 8502 | Terral Seed | 57 | - | 58.6 |
| S | TV 8565 | Terral Seed | 54 | - | 58.5 |
| S | TVX83W479* | Terral Seed | 68 | - | 60.3 |
| S | TVX84W451* | Terral Seed | 37 | - | 54.1 |
| H | TX00D1390* | TAMU | 51 | - | 57.7 |
| H | TX00V1117* | TAMU | 67 | - | 60.7 |
| H | TX01D3232* | TAMU | 66 | - | 59.9 |
| H | TX01M5009* | TAMU | 59 | 56 | 60.9 |
| S | UGA 2E26* | UGA | 69 | - | 62.1 |
| S | UGA 2E31* | UGA | 57 | - | 61.5 |
| S | USG 3209 | UniSouth Genetics | 63 | - | 60.1 |
| S | USG 3592 | UniSouth Genetics | 39 | - | 60.9 |
| Mean | | | 51 | 46 | 58.9 |

* experimental wheat breeding line

** yield average for 2004 and 2005



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Uniform Wheat Variety Trial - Propser 2005

| Class. | Variety | Source | Grain Yield (bu/ac) | | | Test Weight (lb/bu) |
|--------|-----------------|----------------|------------------------|----------|-----------|------------------------|
| | | | 2005 | 2-Year** | 3-Year*** | 2005 |
| H | 2145 | KSU | 45 | 54 | 57 | 59.2 |
| H | Abilene Ag Exp* | Abilene Ag | 60 | - | - | 60.9 |
| H | AgriPro 4342* | AgriPro | 76 | - | - | 62.3 |
| H | AP 502 CL | AgriPro | 41 | 40 | 44 | 58.1 |
| S | B980582* | Syngenta | 50 | - | - | 59.5 |
| S | Beretta | AgriPro | 63 | - | - | 59.0 |
| H | Cisco | WestBred | 43 | - | - | 59.4 |
| S | Coker 9553 | AgriPro | 73 | - | - | 61.1 |
| H | Coronado | AgriPro | 63 | 54 | 53 | 60.5 |
| S | Crawford | AgriPro | 73 | 68 | - | 60.2 |
| H | Cutter | AgriPro | 60 | 59 | 57 | 61.0 |
| H | Deliver | OSU | 67 | - | - | 60.1 |
| S | DK 1551W | Delta King | 67 | - | - | 59.3 |
| S | DK 7710 | Delta King | 78 | - | - | 58.9 |
| S | DK 7830 | Delta King | 67 | - | - | 59.1 |
| S | DK 7900 | Delta King | 66 | - | - | 58.4 |
| S | DK 9410 | Delta King | 70 | - | - | 59.0 |
| H | Dumas | AgriPro | 39 | 47 | 53 | 59.7 |
| H | Endurance | OSU | 66 | - | - | 60.3 |
| H | Fannin | AgriPro | 69 | 66 | - | 61.6 |
| S | HBK 3266 | Hornbeck | 63 | - | - | 60.0 |
| H | HG-9 | Hardeman Grain | 53 | - | - | 60.9 |
| H | Jagalene | AgriPro | 50 | 54 | 56 | 61.3 |
| H | Jagger | KSU | 45 | 42 | 45 | 59.8 |
| S | LA 481 | Terral Seed | 60 | - | - | 59.8 |
| S | LA 9560* | LSU | 60 | - | - | 60.9 |
| H | Lockett | TAMU | 39 | 40 | 39 | 56.5 |
| H | Longhorn | AgriPro | 52 | 50 | 49 | 60.2 |
| S | Mason | AgriPro | 61 | 59 | - | 58.7 |
| S | Natchez | AgriPro | 66 | 63 | - | 59.5 |
| S | NK Coker 9295 | Syngenta | 56 | 57 | - | 59.3 |
| S | NK Coker 9375 | Syngenta | 57 | 60 | - | 57.6 |
| S | NK Coker 9663 | Syngenta | 45 | 53 | - | 57.5 |
| H | Ogallala | AgriPro | 61 | 62 | 57 | 61.8 |
| H | OK 101 | OSU | 44 | - | - | 59.7 |
| H | OK 102 | OSU | 39 | 50 | 50 | 61.0 |
| H | Overley | KSU | 61 | 60 | - | 60.9 |
| S | P25R37 | Pioneer | 62 | 63 | - | 60.6 |
| S | P25R47 | Pioneer | 75 | 77 | - | 58.2 |
| S | Panola | AgriPro | 78 | - | - | 59.0 |
| S | Progeny 110 | Progeny | 66 | 59 | - | 58.9 |
| S | Progeny 125 | Progeny | 34 | - | - | 56.4 |
| S | Progeny 133 | Progeny | 69 | 61 | - | 58.8 |
| S | Progeny 145 | Progeny | 71 | 64 | - | 59.0 |
| S | Progeny 155 | Progeny | 49 | - | - | 57.2 |

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Uniform Wheat Variety Trial - Propser 2005 (cont'd)

| Source | Variety | Grain Yield (bu/ac) | | | Test Weight (lb/bu) | |
|--------|-------------|------------------------|-----------|-----------|------------------------|-------------|
| | | 2005 | 2-Year** | 3-Year*** | 2005 | |
| S | Progeny 156 | Progeny | 62 | 62 | - | 57.4 |
| S | Progeny 166 | Progeny | 76 | 66 | - | 59.4 |
| S | Progeny 185 | Progeny | 65 | - | - | 58.5 |
| H | Stanton | KSU | 54 | 59 | 58 | 61.0 |
| H | Sturdy 2K | TAMU | 63 | 56 | 56 | 60.1 |
| H | TAM 105 | TAMU | 38 | - | - | 59.0 |
| H | TAM 107 | TAMU | 42 | 40 | 43 | 58.9 |
| H | TAM 110 | TAMU | 43 | 43 | 47 | 57.6 |
| H | TAM 110 CL | TAMU | 49 | 45 | 48 | 59.0 |
| H | TAM 111 | TAMU | 66 | 61 | 58 | 61.1 |
| H | TAM 112 | TAMU | 46 | 52 | - | 58.0 |
| H | TAM 202 | TAMU | 47 | 48 | 51 | 60.4 |
| H | TAM 303 | TAMU | 60 | 63 | - | 58.0 |
| H | TAM W-101 | TAMU | 47 | 42 | - | 61.3 |
| H | Thunderbolt | AgriPro | 57 | 50 | 52 | 61.5 |
| H | Trego | KSU | 46 | 52 | 53 | 61.5 |
| S | TV 8450 | Terral Seed | 69 | - | - | 58.3 |
| S | TV 8466 | Terral Seed | 62 | - | - | 57.7 |
| S | TV 8502 | Terral Seed | 73 | - | - | 59.4 |
| S | TV 8565 | Terral Seed | 72 | - | - | 58.7 |
| S | TVX83W479* | Terral Seed | 72 | - | - | 58.5 |
| S | TVX84W451* | Terral Seed | 43 | - | - | 57.5 |
| H | TX00D1390* | TAMU | 60 | - | - | 61.4 |
| H | TX00V1117* | TAMU | 55 | - | - | 60.0 |
| H | TX01D3232* | TAMU | 64 | - | - | 59.6 |
| H | TX01M5009* | TAMU | 76 | 69 | - | 59.6 |
| S | UGA 2E26* | UGA | 73 | - | - | 60.8 |
| S | UGA 2E31* | UGA | 74 | - | - | 61.3 |
| S | USG 3209 | UniSouth Genetics | 70 | - | - | 59.6 |
| S | USG 3592 | UniSouth Genetics | 49 | - | - | 60.0 |
| | | Mean | 59 | 56 | 51 | 59.5 |

* experimental variety

** yield average for 2004 and 2005

*** yield average for 2003, 2004, and 2005



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Uniform Wheat Variety Trial - Royse City 2005

| Variety | Source | Grain Yield | Test Weight |
|---------------|-------------------|-------------|-------------|
| | | (bu/ac) | (lb/bu) |
| | | 2005 | 2005 |
| B980582* | Syngenta | 61 | 59.5 |
| Beretta | AgriPro | 69 | 57.3 |
| Crawford | AgriPro | 80 | 60.1 |
| DK 1551W | Delta King | 76 | 57.9 |
| DK 7710 | Delta King | 80 | 59.1 |
| DK 7830 | Delta King | 73 | 58.3 |
| DK 7900 | Delta King | 76 | 58.5 |
| DK 9410 | Delta King | 77 | 58.7 |
| HBK 3266 | Hornbeck | 71 | 58.9 |
| LA 481 | Terral Seed | 94 | 59.5 |
| LA 9560 | LSU | 89 | 59.8 |
| Mason | AgriPro | 75 | 59.3 |
| Natchez | AgriPro | 71 | 58.4 |
| NK Coker 9295 | Syngenta | 54 | 57.9 |
| NK Coker 9375 | Syngenta | 64 | 56.7 |
| NK Coker 9553 | Syngenta | 90 | 60.3 |
| NK Coker 9663 | Syngenta | 61 | 57.8 |
| P25R37 | Pioneer | 71 | 59.3 |
| P25R47 | Pioneer | 90 | 56.8 |
| Panola | AgriPro | 82 | 58.0 |
| Progeny 110 | Progeny | 66 | 58.9 |
| Progeny 125 | Progeny | 44 | 56.6 |
| Progeny 133 | Progeny | 75 | 58.5 |
| Progeny 145 | Progeny | 70 | 58.4 |
| Progeny 155 | Progeny | 49 | 55.7 |
| Progeny 156 | Progeny | 67 | 57.7 |
| Progeny 166 | Progeny | 75 | 58.7 |
| Progeny 185 | Progeny | 71 | 56.3 |
| TV8450 | Terral Seed | 72 | 57.6 |
| TV8466 | Terral Seed | 79 | 58.0 |
| TV8502 | Terral Seed | 81 | 58.8 |
| TV8565 | Terral Seed | 74 | 58.2 |
| TVX83W479* | Terral Seed | 86 | 58.4 |
| TVX84W451* | Terral Seed | 51 | 55.4 |
| UGA 2E26* | UGA | 85 | 60.6 |
| UGA 2E31* | UGA | 84 | 61.3 |
| USG 3209 | UniSouth Genetics | 85 | 59.7 |
| USG 3592 | UniSouth Genetics | 62 | 60.4 |
| | | Mean | 73.1 |
| | | | 58.5 |

* experimental wheat breeding line



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2005 - South Texas

Wheat Variety Trials

Gaylon Morgan, State Small Grains Specialist – College Station
Giovanni Piccinni, Stress Physiology, Uvalde
Jackie Rudd, Wheat Breeder – Amarillo
Justin Sladek, Extension Assistant – College Station
Jacob Shaffer, Graduate Student – College Station
Rex Herrington, Research Associate – College Station
Jerry Kidd, CEA, McCulloch County

Purpose: To provide unbiased yield, quality, and pest rating data for wheat producers across the state. With this information, Texas wheat producers can make an educated decision about the most appropriate variety for their geographic region.

Overview: The Uniform Variety Trial is coordinated and implemented by numerous TCE and TAES faculty and staff from College Station, Uvalde, and Amarillo. We greatly appreciate the cooperation of David and Mary Holubec at the Brady location. State-wide the HRW wheat trial was planted in 24 locations with 22 being harvested. In South Texas, two locations were planted, Brady and Uvalde. At Uvalde, 3 irrigation regimes were used to grow the wheat crop, including 100% PET, 75% PET, and 50% PET. Below is a table describing the major “issues” that affected the 2004-05 wheat crop at each location.

Funding: The State Uniform Variety Trial is funded by the Texas Wheat Producers Board.

| Location | Issues |
|-----------------|--|
| Brady | Leaf Rust, Barley Yellow Dwarf Virus, dry spring |
| Uvalde | Leaf rust and Stripe Rust, and dry spring. |



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South Texas - Hard Red Winter Wheat Variety Trial 2004-05

| Variety | Source | Average Bu/A | Brady Bu/A | Uvalde 100% PET Bu/A | Uvalde 70% PET Bu/A | Uvalde 50% PET Bu/A | Average T.W. Lbs/Bu |
|---------------------------|----------------|--------------|--------------|----------------------|---------------------|---------------------|---------------------|
| *TX01D3232 | TAMU | 66.1 | 50 | 72 | 67 | 76 | 57.8 |
| *TX00D1390 | TAMU | 63.9 | 47 | 73 | 70 | 66 | 60.8 |
| TAM 303 | TAMU | 58.3 | 52 | 63 | 58 | 59 | 57.7 |
| Fannin | Agri-Pro | 56.2 | 47 | 62 | 72 | 43 | 60.4 |
| Ogallala | Agri-Pro | 55.0 | 44 | 59 | 56 | 61 | 59.2 |
| Coronado | Agri-Pro | 54.4 | 47 | 59 | 62 | 50 | 58.7 |
| Stanton | KSU | 53.7 | 49 | 57 | 59 | 50 | 59.2 |
| *TX01M5009 | TAMU | 51.8 | 5 | 72 | 64 | 67 | 57.7 |
| TAM 112 | TAMU | 51.8 | 62 | 48 | 48 | 50 | 59.2 |
| Jagger | KSU | 51.5 | 43 | 56 | 57 | 50 | 57.2 |
| ***2145+Coronado+Fannin | | 51.5 | 45 | 51 | 60 | 50 | 59.5 |
| ***Fannin+Cutter+Sturdy2K | | 51.3 | 39 | 57 | 49 | 61 | 59.1 |
| Overley | KSU | 51.2 | 45 | 50 | 63 | 47 | 59.6 |
| Jagelene | Agri-Pro | 50.7 | 50 | 54 | 52 | 47 | 59.6 |
| Dumas | Agri-Pro | 50.4 | 39 | 58 | 57 | 47 | 58.2 |
| *Agri-Pro 4342 | Agri-Pro | 49.7 | 43 | 53 | 57 | 46 | 60.1 |
| *TX00V1117 | TAMU | 48.9 | 49 | 49 | 40 | 57 | 58.9 |
| Cutter | Agri-Pro | 47.2 | 44 | 50 | 50 | 45 | 58.3 |
| TAM 202 | TAMU | 47.2 | 44 | 51 | 51 | 43 | 57.7 |
| Trego | KSU | 46.9 | 49 | 42 | 55 | 42 | 58.9 |
| TAM W 101 | TAMU | 46.2 | 44 | 44 | 57 | 40 | 57.2 |
| TAM 111 | TAMU | 45.3 | 51 | 45 | 41 | 44 | 59.6 |
| ***TAM111+Cutter+Sturdy2K | | 44.3 | 45 | 45 | 48 | 39 | 58.4 |
| 2145 | KSU | 43.4 | 47 | 37 | 53 | 36 | 57.0 |
| Sturdy 2K | TAMU | 41.3 | 43 | 39 | 42 | 41 | 57.3 |
| Longhorn | Agri-Pro | 37.8 | 7* | 50 | 52 | 42 | 57.6 |
| TAM 105 | TAMU | 36.3 | 41 | 37 | 39 | 28 | 56.7 |
| AP502 CL | Agri-Pro | 36.0 | 54 | 32 | 30 | 27 | 55.4 |
| Thunderbolt | Agri-Pro | 35.0 | 49 | 32 | 28 | 31 | 58.9 |
| OK 102 | OSU | 34.4 | 40 | 29 | 39 | 29 | 57.7 |
| TAM 110 CL | TAMU | 31.7 | 47 | 24 | 31 | 25 | 56.4 |
| Cisco | Goertzen | 31.6 | 40 | 29 | 30 | 28 | 55.8 |
| **Deliver | OSU | 30.2 | 5 | 36 | 45 | 35 | 58.1 |
| TAM 110 | TAMU | 28.5 | 49 | 22 | 23 | 21 | 55.8 |
| TAM 107 | TAMU | 27.7 | 44 | 27 | 21 | 18 | 56.3 |
| OK 101 | OSU | 27.4 | 38 | 20 | 29 | 23 | 56.6 |
| Endurance | OSU | 26.7 | 41 | 21 | 26 | 19 | 56.5 |
| **Lockett | TAMU | 26.1 | 6 | 34 | 32 | 32 | 54.7 |
| **Abilene Ag | Abilene Ag | 20.3 | 10 | 27 | 22 | 23 | 58.1 |
| **HG-9 | Hardeman Grain | 18.7 | 11 | 20 | 21 | 22 | 58.4 |
| Grand Mean | | | 40.08 | 44.75 | 46.41 | 41.45 | |
| CV | | | 16.12 | 15.17 | 18.00 | 17.85 | |
| LSD (5%) | | | 8.47 | 10.76 | 10.02 | 10.03 | |

* Experimental wheat breeding lines

** Deer removed the wheat heads of the awnless varieties at Brady.

*** Equal mixture of three varieties.