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2006 Winter Wheat Variety Results

Winter wheat yields were good to excellent in Wisconsin this year, with some site's yields the highest we have ever reported, and no winter injury observed. Growers in the some parts of the state have reported whole field yields in excess of 100 bu/acre and good test weights with some significant lodging in some areas.

The 2006 performance trials included public varieties, experimental, and commercial entries. Trials were conducted at Arlington, Janesville, Racine, and Chilton. All varieties were treated with a fungicide seed treatment and Racine and Chilton sites were treated with a foliar fungicide to control Powdery Mildew. Two year means are included for all entries tested in 2005 and 2006.

We thank you for your continued interest in the Wisconsin Wheat Variety Trials. We also thank the WI Crop Improvement Association for sponsoring public entry of released and experimental public lines into our trials.

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2006 Winter Wheat Variety Trial Results.
Arlington, Janesville, Racine, and Chilton, Wisconsin.

| Brand | Entry | Class (1) | 2006 Means | | | | Arlington | | Janesville | | Racine | | Chilton | | 2-Year |
|------------|--------------|--------------|------------|-------------|--------|------------------|-----------|-------------|------------|-------------|--------|-------------|---------|-------------|---------------|
| | | | Yield | Test Wt. | Height | Lodg- ing (2) | Yield | Test Wt. | Yield | Test Wt. | Yield | Test Wt. | Yield | Test Wt. | Mean Yield |
| | | | bu/a | lb/bu | in | (0-9) | bu/a | lb/bu | bu/a | lb/bu | bu/a | lb/bu | bu/a | lb/bu | bu/a |
| Public | Cardinal | SR | 84 | 56.2 | 40 | 2 | 59 | 52.7 | 85 | 58.1 | 96 | 56.0 | 97 | 57.8 | 79 |
| Public | Hopewell | SR | 90 | 55.6 | 38 | 2 | 54 | 51.4 | 95 | 58.3 | 97 | 55.4 | 113 * | 57.2 | 81 |
| Public | Kaskaskia | SR | 95 * | 58.0 | 41 | 3 | 76 | 56.0 | 100 * | 60.2 | 109 * | 57.5 | 96 | 58.1 | 86 * |
| Public | Truman | SR | 91 | 57.9 | 38 | 3 | 75 | 56.6 | 96 | 59.5 | 83 | 56.1 | 108 | 59.2 | 80 |
| Diener | D 490 W | SR | 99 * | 56.8 | 38 | 3 | 91 * | 55.1 | 94 | 58.3 | 101 | 56.2 | 110 | 57.4 | |
| Diener | D 495 W | SR | 92 | 58.1 | 38 | 3 | 66 | 55.8 | 96 | 60.6 | 97 | 57.1 | 108 | 59.0 | 81 |
| Diener | D 510 W | SR | 91 | 57.3 | 40 | 3 | 62 | 54.6 | 98 | 58.8 | 96 | 57.2 | 107 | 58.7 | |
| Diener | XW 48 | SR | 90 | 56.9 | 39 | 3 | 60 | 53.5 | 90 | 59.6 | 96 | 56.8 | 113 * | 57.7 | 83 |
| Gristmill | Excel 211 | SR | 90 | 57.5 | 41 | 2 | 65 | 55.2 | 95 | 59.9 | 104 | 56.6 | 96 | 58.1 | 80 |
| Gristmill | Excel 333 | SR | 95 * | 56.5 | 39 | 3 | 74 | 54.2 | 98 | 58.5 | 100 | 56.5 | 108 | 57.0 | 82 |
| Gristmill | Excel 352 TW | SR | 88 | 57.1 | 40 | 3 | 61 | 54.0 | 85 | 59.5 | 98 | 57.2 | 108 | 57.8 | 81 |
| Gristmill | Excel 361 | SR | 92 | 59.2 | 40 | 2 | 77 | 58.0 | 86 | 60.4 | 100 | 58.3 | 105 | 60.3 | |
| Gristmill | Excel 399 | SR | 97 * | 56.8 | 40 | 2 | 73 | 54.1 | 98 | 58.5 | 106 * | 56.9 | 110 | 57.7 | 84 |
| Gristmill | Excel 410TW | SR | 99 * | 57.6 | 40 | 2 | 77 | 55.1 | 103 * | 59.4 | 102 | 57.5 | 112 * | 58.5 | |
| Gristmill | Excel 442 | SR | 92 | 55.7 | 40 | 3 | 68 | 53.5 | 95 | 57.1 | 103 | 55.4 | 101 | 56.7 | |
| Gristmill | GM 305 | SR | 96 * | 57.9 | 38 | 2 | 74 | 55.4 | 88 | 59.8 | 101 | 57.3 | 121 * | 59.3 | |
| FS Seeds | FS 634 | SR | 93 | 56.9 | 40 | 2 | 69 | 54.4 | 100 * | 59.1 | 98 | 56.5 | 106 | 57.5 | 80 |
| FS Seeds | FS 637 | SR | 99 * | 57.0 | 38 | 2 | 82 * | 56.2 | 99 * | 58.8 | 100 | 55.6 | 113 * | 57.6 | |
| FS Seeds | FS 645 | SR | 95 * | 58.2 | 40 | 3 | 65 | 55.8 | 96 | 60.1 | 108 * | 57.6 | 111 * | 59.1 | |
| FS Seeds | FS 657 | SR | 80 | 56.2 | 41 | 4 | 45 | 52.8 | 91 | 59.0 | 89 | 55.8 | 94 | 57.3 | |
| FS Seeds | FS 8309 | SR | 91 | 56.9 | 37 | 2 | 64 | 54.5 | 93 | 58.9 | 99 | 56.3 | 108 | 57.9 | 80 |
| Jung | 5988 | SR | 95 * | 57.1 | 41 | 3 | 67 | 55.0 | 95 | 58.4 | 95 | 56.5 | 122 * | 58.6 | |
| Jung | 5804 | SR | 95 * | 58.0 | 38 | 3 | 73 | 56.4 | 92 | 59.8 | 97 | 56.4 | 118 * | 59.6 | 80 |
| Kaltenberg | KW 48 | SR | 82 | 54.1 | 40 | 4 | 56 | 47.1 | 78 | 56.8 | 102 | 56.5 | 93 | 56.2 | 71 |
| Kaltenberg | KW 51 | SR | 95 * | 57.9 | 38 | 3 | 74 | 56.0 | 98 | 60.0 | 90 | 56.9 | 118 * | 59.0 | 85 * |
| Kaltenberg | KW 53 | SR | 96 * | 56.8 | 38 | 3 | 79 | 54.5 | 97 | 58.9 | 104 | 56.1 | 104 | 57.6 | 81 |
| Kaltenberg | KW 55 | SR | 99 * | 57.3 | 40 | 3 | 85 * | 54.9 | 106 * | 58.6 | 92 | 56.9 | 112 * | 58.9 | 85 * |
| Kaltenberg | KW 58 | SR | 90 | 57.1 | 40 | 2 | 70 | 53.5 | 94 | 59.2 | 103 | 57.4 | 92 | 58.3 | 82 |
| Kaltenberg | KW 59 | SR | 87 | 55.6 | 41 | 4 | 63 | 52.5 | 97 | 58.3 | 91 | 55.2 | 97 | 56.5 | |
| Kaltenberg | KW 60 | SR | 96 * | 57.1 | 40 | 2 | 71 | 55.4 | 94 | 58.7 | 101 | 56.6 | 117 * | 57.9 | |

Continued

2006 Winter Wheat Variety Trial Results.
Arlington, Janesville, Racine, and Chilton, Wisconsin.

| Brand | Entry | Class (1) | 2006 Means | | | | Arlington | | Janesville | | Racine | | Chilton | | 2-Year |
|-------------------|--------------------|--------------|------------|-------------|--------|------------------|-----------|-------------|------------|-------------|--------|-------------|---------|-------------|---------------|
| | | | Yield | Test Wt. | Height | Lodg- ing (2) | Yield | Test Wt. | Yield | Test Wt. | Yield | Test Wt. | Yield | Test Wt. | Mean Yield |
| | | | bu/a | lb/bu | in | (0-9) | bu/a | lb/bu | bu/a | lb/bu | bu/a | lb/bu | bu/a | lb/bu | bu/a |
| Pioneer | 25R37 | SR | 94 | 57.9 | 36 | 3 | 82 * | 57.1 | 90 | 59.5 | 90 | 56.3 | 115 * | 58.6 | 79 |
| Pioneer | 25R47 | SR | 101 * | 55.6 | 36 | 2 | 80 * | 52.8 | 100 * | 57.1 | 109 * | 55.3 | 114 * | 57.1 | 90 * |
| Pioneer | 25R51 | SR | 98 * | 55.2 | 37 | 3 | 80 * | 52.6 | 90 | 57.6 | 115 * | 55.4 | 106 | 55.4 | |
| Pioneer | 25R63 | SR | 98 * | 55.4 | 36 | 3 | 72 | 51.4 | 98 | 57.7 | 111 * | 55.6 | 109 | 57.0 | |
| Pioneer | 25R78 | SR | 103 * | 57.1 | 35 | 2 | 88 * | 55.1 | 100 * | 59.0 | 103 | 56.0 | 122 * | 58.3 | 83 |
| Pro Seed Genetics | Pro 200 | SR | 92 | 58.1 | 41 | 3 | 64 | 56.8 | 96 | 59.4 | 106 * | 57.7 | 100 | 58.6 | 85 * |
| Pro Seed Genetics | Pro EX 210 | SR | 89 | 57.3 | 39 | 3 | 63 | 54.5 | 96 | 59.0 | 96 | 56.8 | 99 | 59.0 | 80 |
| Pro Seed Genetics | Pro EX 220 | SR | 91 | 59.1 | 40 | 2 | 67 | 58.0 | 90 | 60.7 | 92 | 57.8 | 114 * | 59.8 | 85 * |
| Seed-link | Carlisle | HR | 88 | 59.0 | 36 | 2 | 66 | 56.1 | 85 | 60.6 | 91 | 58.7 | 108 | 60.6 | 80 |
| Seed-link | Harvard | HR | 84 | 58.3 | 40 | 2 | 60 | 55.8 | 78 | 59.1 | 92 | 58.0 | 106 | 60.2 | 82 |
| Seed-link | Maxine | HR | 85 | 58.4 | 39 | 3 | 63 | 55.8 | 83 | 59.8 | 90 | 58.4 | 105 | 59.8 | 77 |
| Seed-link | ACS 97003 | HR | 80 | 57.1 | 37 | 3 | 53 | 52.9 | 83 | 59.5 | 96 | 57.3 | 87 | 58.8 | 77 |
| DynaGro | DG 403 | SR | 91 | 56.6 | 39 | 3 | 75 | 54.2 | 92 | 58.7 | 95 | 55.8 | 102 | 57.6 | 79 |
| DynaGro | DG 410 | SR | 96 * | 57.1 | 39 | 1 | 70 | 54.6 | 100 * | 58.7 | 101 | 56.7 | 111 * | 58.5 | 80 |
| DynaGro | DG 419 | SR | 90 | 57.2 | 40 | 2 | 62 | 54.9 | 99 * | 59.2 | 99 | 56.9 | 101 | 58.0 | 79 |
| Public - exp | IL 99-15867 | SR | 93 | 56.8 | 37 | 3 | 78 | 54.5 | 95 | 58.4 | 81 | 55.8 | 117 * | 58.4 | |
| Public - exp | IL 00-1665 | SR | 97 * | 57.0 | 37 | 3 | 82 * | 55.8 | 87 | 57.5 | 103 | 56.8 | 114 * | 57.9 | |
| Public - exp | OH 708 | SR | 90 | 55.5 | 40 | 2 | 67 | 52.6 | 84 | 56.5 | 95 | 55.8 | 112 * | 57.1 | |
| Public - exp | OH 776 | SR | 85 | 57.5 | 39 | 3 | 50 | 54.6 | 85 | 59.4 | 104 | 57.3 | 99 | 58.7 | |
| Public - exp | P 981359C1-4-2-1-8 | SR | 93 | 59.6 | 42 | 2 | 67 | 57.6 | 97 | 61.0 | 97 | 59.0 | 109 | 60.7 | 79 |
| Public - exp | P 99608C1-1-3-4 | SR | 97 * | 56.9 | 38 | 2 | 82 * | 55.4 | 96 | 58.6 | 103 | 56.2 | 108 | 57.5 | |
| Public - exp | P 99840C4-8-4 | SR | 98 * | 58.6 | 37 | 2 | 79 | 56.3 | 94 | 60.4 | 94 | 58.3 | 124 * | 59.5 | |
| Public - exp | VA 02W-513 | SR | 98 * | 58.5 | 33 | 2 | 70 | 56.2 | 100 * | 60.8 | 100 | 57.6 | 123 * | 59.5 | |
| Mean | | | 93 | 57.2 | 39 | 3 | 70 | 54.7 | 94 | 59.1 | 99 | 56.7 | 108 | 58.3 | 81 |
| LSD(.10) | | | 8 | 0.9 | 1 | 1 | 11 | 1.3 | 7 | 1.1 | 10 | 0.7 | 13 | 0.7 | 5 |

(1) Class: SR = Soft Red and HR = Hard Red; (2) Belgian Lodging System rounded to whole number (0=none - 9=severe)

* Yields followed by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

**2006 Winter Wheat Variety Trial Results.
Arlington, Wisconsin. (Expt. 2630)**

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|------------|--------------|--------------|---------------|----------------------|--------------|---------------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) (0-9) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Public | Cardinal | SR | 59 | 52.7 | 43 | 3 | 69 | 85 | 54.3 | 31 | 64 |
| Public | Hopewell | SR | 54 | 51.4 | 41 | 2 | 84 * | 95 | 55.0 | 32 | 69 |
| Public | Kaskaskia | SR | 76 | 56.0 | 44 | 6 | 84 * | 95 | 57.5 | 35 | 80 * |
| Public | Truman | SR | 75 | 56.6 | 41 | 4 | 85 * | 75 | 55.8 | 32 | 80 * |
| Diener | D 490 W | SR | 91 * | 55.1 | 40 | 5 | | | | | |
| Diener | D 495 W | SR | 66 | 55.8 | 43 | 3 | 81 | 80 | 57.5 | 31 | 74 |
| Diener | D 510 W | SR | 62 | 54.6 | 43 | 6 | | | | | |
| Diener | XW 48 | SR | 60 | 53.5 | 44 | 4 | 76 | 88 | 55.5 | 33 | 68 |
| Gristmill | Excel 211 | SR | 65 | 55.2 | 44 | 2 | 74 | 84 | 56.3 | 33 | 70 |
| Gristmill | Excel 333 | SR | 74 | 54.2 | 41 | 4 | 81 | 81 | 55.1 | 31 | 78 |
| Gristmill | Excel 352 TW | SR | 61 | 54.0 | 44 | 3 | 76 | 81 | 55.3 | 33 | 69 |
| Gristmill | Excel 361 | SR | 77 | 58.0 | 45 | 1 | | | | | |
| Gristmill | Excel 399 | SR | 73 | 54.1 | 44 | 3 | 73 | 86 | 54.8 | 30 | 73 |
| Gristmill | Excel 410TW | SR | 77 | 55.1 | 43 | 2 | | | | | |
| Gristmill | Excel 442 | SR | 68 | 53.5 | 42 | 3 | | | | | |
| Gristmill | GM 305 | SR | 74 | 55.4 | 41 | 4 | | | | | |
| FS Seed | FS 634 | SR | 69 | 54.4 | 43 | 1 | 76 | 76 | 56.5 | 31 | 72 |
| FS Seed | FS 637 | SR | 82 * | 56.2 | 41 | 2 | | | | | |
| FS Seed | FS 645 | SR | 65 | 55.8 | 42 | 6 | | | | | |
| FS Seed | FS 657 | SR | 45 | 52.8 | 45 | 6 | | | | | |
| FS Seed | FS 8309 | SR | 64 | 54.5 | 39 | 0 | 75 | 90 | 55.0 | 30 | 69 |
| Jung | 5988 | SR | 67 | 55.0 | 42 | 3 | | | | | |
| Jung | 5804 | SR | 73 | 56.4 | 43 | 3 | 69 | 58 | 58.0 | 31 | 71 |
| Kaltenberg | KW 48 | SR | 56 | 47.1 | 41 | 5 | 66 | 80 | 54.3 | 33 | 61 |
| Kaltenberg | KW 51 | SR | 74 | 56.0 | 42 | 5 | 84 * | 90 | 58.0 | 29 | 79 * |
| Kaltenberg | KW 53 | SR | 79 | 54.5 | 41 | 4 | 83 * | 84 | 55.1 | 30 | 81 * |
| Kaltenberg | KW 55 | SR | 85 * | 54.9 | 43 | 5 | 77 | 81 | 57.0 | 32 | 81 * |
| Kaltenberg | KW 58 | SR | 70 | 53.5 | 45 | 3 | 80 | 91 | 55.8 | 31 | 75 |
| Kaltenberg | KW 59 | SR | 63 | 52.5 | 44 | 8 | | | | | |
| Kaltenberg | KW 60 | SR | 71 | 55.4 | 42 | 2 | | | | | |

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**2006 Winter Wheat Variety Trial Results.
Arlington, Wisconsin. (Expt. 2630)**

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|-------------------|--------------------|--------------|---------------|----------------------|--------------|---------------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) (0-9) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Pioneer | 25R37 | SR | 82 * | 57.1 | 40 | 3 | 73 | 71 | 56.3 | 31 | 77 |
| Pioneer | 25R47 | SR | 80 * | 52.8 | 39 | 2 | 93 * | 90 | 55.5 | 29 | 87 * |
| Pioneer | 25R51 | SR | 80 * | 52.6 | 40 | 2 | | | | | |
| Pioneer | 25R63 | SR | 72 | 51.4 | 39 | 1 | | | | | |
| Pioneer | 25R78 | SR | 88 * | 55.1 | 38 | 1 | 64 | 51 | 55.5 | 25 | 76 |
| Pro Seed Genetics | Pro 200 | SR | 64 | 56.8 | 44 | 3 | 81 | 100 | 55.8 | 33 | 72 |
| Pro Seed Genetics | Pro EX 210 | SR | 63 | 54.5 | 43 | 5 | 82 | 96 | 57.3 | 31 | 73 |
| Pro Seed Genetics | Pro EX 220 | SR | 67 | 58.0 | 45 | 2 | 83 * | 99 | 58.8 | 35 | 75 |
| Seed-link | Carlisle | HR | 66 | 56.1 | 40 | 3 | 83 * | 100 | 59.3 | 31 | 75 |
| Seed-link | Harvard | HR | 60 | 55.8 | 44 | 3 | 87 * | 100 | 59.3 | 35 | 73 |
| Seed-link | Maxine | HR | 63 | 55.8 | 41 | 4 | 76 | 84 | 58.0 | 31 | 69 |
| Seed-link | ACS 97003 | HR | 53 | 52.9 | 40 | 4 | 85 * | 98 | 57.8 | 33 | 69 |
| DynaGro | DG 403 | SR | 75 | 54.2 | 43 | 5 | 77 | 93 | 56.5 | 33 | 76 |
| DynaGro | DG 410 | SR | 70 | 54.6 | 43 | 1 | 68 | 83 | 56.0 | 31 | 69 |
| DynaGro | DG 419 | SR | 62 | 54.9 | 41 | 2 | 79 | 81 | 56.2 | 34 | 70 |
| Public - exp | IL 99-15867 | SR | 78 | 54.5 | 38 | 4 | | | | | |
| Public - exp | IL 00-1665 | SR | 82 * | 55.8 | 42 | 4 | | | | | |
| Public - exp | OH 708 | SR | 67 | 52.6 | 43 | 2 | | | | | |
| Public - exp | OH 776 | SR | 50 | 54.6 | 42 | 6 | | | | | |
| Public - exp | P 981359C1-4-2-1-8 | SR | 67 | 57.6 | 44 | 3 | 79 | 81 | 60.0 | 33 | 73 |
| Public - exp | P 99608C1-1-3-4 | SR | 82 * | 55.4 | 41 | 3 | | | | | |
| Public - exp | P 99840C4-8-4 | SR | 79 | 56.3 | 41 | 2 | | | | | |
| Public - exp | VA 02W-513 | SR | 70 | 56.2 | 37 | 3 | | | | | |
| Mean | | | 70 | 54.7 | 42 | 3 | 73 | 79 | 56.1 | 30 | 73 |
| LSD(.10) | | | 11 | 1.3 | 2 | 2 | 11 | 22 | 1.2 | 2 | 8 |

(1) Class: SR = Soft Red and HR = Hard Red; (2) Belgian Lodging System rounded to whole number (0=none - 9=severe)

* Yields followed by a "*" are not significantly different (0.10 level) than the highest yielding cultivar.

2006 Winter Wheat Variety Trial Results. Janesville, Wisconsin. (Expt. 2631)

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|------------|--------------|--------------|---------------|----------------------|--------------|---------------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) (0-9) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Public | Cardinal | SR | 85 | 58.1 | 40 | 0 | 69 * | 94 | 58.8 | 29 | 77 |
| Public | Hopewell | SR | 95 | 58.3 | 38 | 0 | 56 | 90 | 59.0 | 26 | 75 |
| Public | Kaskaskia | SR | 100 * | 60.2 | 41 | 0 | 76 * | 93 | 59.8 | 30 | 88 * |
| Public | Truman | SR | 96 | 59.5 | 38 | 0 | 63 | 85 | 60.3 | 26 | 80 |
| Diener | D 490 W | SR | 94 | 58.3 | 37 | 0 | | | | | |
| Diener | D 495 W | SR | 96 | 60.6 | 37 | 0 | 62 | 77 | 59.5 | 25 | 79 |
| Diener | D 510 W | SR | 98 | 58.8 | 39 | 0 | | | | | |
| Diener | XW 48 | SR | 90 | 59.6 | 39 | 0 | 67 * | 71 | 58.8 | 24 | 78 |
| Gristmill | Excel 211 | SR | 95 | 59.9 | 41 | 0 | 63 | 86 | 59.3 | 26 | 79 |
| Gristmill | Excel 333 | SR | 98 | 58.5 | 38 | 0 | 64 | 79 | 59.0 | 27 | 81 * |
| Gristmill | Excel 352 TW | SR | 85 | 59.5 | 39 | 0 | 56 | 70 | 58.8 | 23 | 70 |
| Gristmill | Excel 361 | SR | 86 | 60.4 | 40 | 0 | | | | | |
| Gristmill | Excel 399 | SR | 98 | 58.5 | 40 | 0 | 68 * | 89 | 58.5 | 26 | 83 * |
| Gristmill | Excel 410TW | SR | 103 * | 59.4 | 41 | 0 | | | | | |
| Gristmill | Excel 442 | SR | 95 | 57.1 | 41 | 0 | | | | | |
| Gristmill | GM 305 | SR | 88 | 59.8 | 38 | 0 | | | | | |
| FS Seeds | FS 634 | SR | 100 * | 59.1 | 40 | 0 | 60 | 85 | 58.8 | 26 | 80 |
| FS Seeds | FS 637 | SR | 99 * | 58.8 | 38 | 0 | | | | | |
| FS Seeds | FS 645 | SR | 96 | 60.1 | 40 | 0 | | | | | |
| FS Seeds | FS 657 | SR | 91 | 59.0 | 41 | 1 | | | | | |
| FS Seeds | FS 8309 | SR | 93 | 58.9 | 38 | 0 | 51 | 56 | 59.3 | 25 | 72 |
| Jung | 5988 | SR | 95 | 58.4 | 41 | 0 | | | | | |
| Jung | 5804 | SR | 92 | 59.8 | 38 | 0 | 54 | 61 | 58.3 | 22 | 73 |
| Kaltenberg | KW 48 | SR | 78 | 56.8 | 40 | 0 | 54 | 61 | 58.3 | 27 | 66 |
| Kaltenberg | KW 51 | SR | 98 | 60.0 | 38 | 0 | 66 * | 90 | 60.5 | 26 | 82 * |
| Kaltenberg | KW 53 | SR | 97 | 58.9 | 39 | 0 | 53 | 68 | 58.5 | 22 | 75 |
| Kaltenberg | KW 55 | SR | 106 * | 58.6 | 41 | 0 | 64 | 89 | 60.0 | 26 | 85 * |
| Kaltenberg | KW 58 | SR | 94 | 59.2 | 41 | 0 | 61 | 83 | 58.3 | 24 | 77 |
| Kaltenberg | KW 59 | SR | 97 | 58.3 | 42 | 0 | | | | | |
| Kaltenberg | KW 60 | SR | 94 | 58.7 | 40 | 0 | | | | | |

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2006 Winter Wheat Variety Trial Results. Janesville, Wisconsin. (Expt. 2631)

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|-------------------|--------------------|--------------|------------|-------------|--------|------------------|------------|--------------------|-------------|--------|---------------|
| | | | Yield | Test Wt. | Height | Lodg- ing (2) | Yield | Winter Survival | Test Wt. | Height | Mean Yield |
| | | | bu/a | lb/bu | in | (0-9) | bu/a | % | lb/bu | in | bu/a |
| Pioneer | 25R37 | SR | 90 | 59.5 | 33 | 0 | 55 | 72 | 59.6 | 23 | 73 |
| Pioneer | 25R47 | SR | 100 * | 57.1 | 36 | 0 | 65 | 87 | 58.1 | 22 | 83 * |
| Pioneer | 25R51 | SR | 90 | 57.6 | 38 | 0 | | | | | |
| Pioneer | 25R63 | SR | 98 | 57.7 | 36 | 0 | | | | | |
| Pioneer | 25R78 | SR | 100 * | 59.0 | 35 | 0 | 62 | 96 | 59.6 | 22 | 81 * |
| Pro Seed Genetics | Pro 200 | SR | 96 | 59.4 | 43 | 0 | 71 * | 86 | 58.4 | 27 | 84 * |
| Pro Seed Genetics | Pro EX 210 | SR | 96 | 59.0 | 40 | 0 | 59 | 73 | 58.8 | 27 | 77 |
| Pro Seed Genetics | Pro EX 220 | SR | 90 | 60.7 | 39 | 0 | 73 * | 96 | 60.0 | 28 | 81 * |
| Seed-link | Carlisle | HR | 85 | 60.6 | 36 | 0 | 59 | 90 | 62.3 | 25 | 72 |
| Seed-link | Harvard | HR | 78 | 59.1 | 39 | 0 | 71 * | 78 | 60.5 | 28 | 75 |
| Seed-link | Maxine | HR | 83 | 59.8 | 38 | 0 | 61 | 88 | 60.8 | 27 | 72 |
| Seed-link | ACS 97003 | HR | 83 | 59.5 | 36 | 0 | 69 * | 81 | 59.5 | 28 | 76 |
| DynaGro | DG 403 | SR | 92 | 58.7 | 40 | 0 | 57 | 83 | 59.0 | 27 | 75 |
| DynaGro | DG 410 | SR | 100 * | 58.7 | 41 | 0 | 51 | 69 | 59.0 | 24 | 76 |
| DynaGro | DG 419 | SR | 99 * | 59.2 | 39 | 0 | 53 | 74 | 58.3 | 26 | 76 |
| Public - exp | IL 99-15867 | SR | 95 | 58.4 | 38 | 0 | | | | | |
| Public - exp | IL 00-1665 | SR | 87 | 57.5 | 36 | 0 | | | | | |
| Public - exp | OH 708 | SR | 84 | 56.5 | 38 | 0 | | | | | |
| Public - exp | OH 776 | SR | 85 | 59.4 | 38 | 0 | | | | | |
| Public - exp | P 981359C1-4-2-1-8 | SR | 97 | 61.0 | 44 | 0 | 56 | 74 | 62.0 | 28 | 77 |
| Public - exp | P 99608C1-1-3-4 | SR | 96 | 58.6 | 37 | 0 | | | | | |
| Public - exp | P 99840C4-8-4 | SR | 94 | 60.4 | 36 | 0 | | | | | |
| Public - exp | VA 02W-513 | SR | 100 * | 60.8 | 33 | 0 | | | | | |
| Mean | | | 93 | 59.0 | 39 | 0 | 58 | 77 | 59.1 | 25 | 77 |
| LSD(.10) | | | 7 | 1.1 | 2 | ns | 11 | 22 | 1.3 | 3 | 7 |

(1) Class: SR = Soft Red and HR = Hard Red; (2) Belgian Lodging System rounded to whole number (0=none - 9=severe)

* Yields followed by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

2006 Winter Wheat Variety Trial Results. Racine, Wisconsin. (Expt. 2632)

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|------------|--------------|--------------|---------------|----------------------|--------------|---------------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) (0-9) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Public | Cardinal | SR | 96 | 56.0 | 38 | 0 | 91 * | 99 | 59.4 | 35 | 93 * |
| Public | Hopewell | SR | 97 | 55.4 | 34 | 0 | 75 | 100 | 58.4 | 33 | 86 |
| Public | Kaskaskia | SR | 109 * | 57.5 | 39 | 0 | 85 * | 99 | 60.3 | 36 | 97 * |
| Public | Truman | SR | 83 | 56.1 | 34 | 0 | 75 | 85 | 59.8 | 31 | 79 |
| Diener | D 490 W | SR | 101 | 56.2 | 34 | 0 | | | | | |
| Diener | D 495 W | SR | 97 | 57.1 | 34 | 0 | 76 | 100 | 61.4 | 31 | 86 |
| Diener | D 510 W | SR | 96 | 57.2 | 37 | 0 | | | | | |
| Diener | XW 48 | SR | 96 | 56.8 | 36 | 0 | 86 * | 100 | 58.8 | 34 | 91 |
| Gristmill | Excel 211 | SR | 104 | 56.6 | 37 | 0 | 78 | 100 | 60.0 | 34 | 91 |
| Gristmill | Excel 333 | SR | 100 | 56.5 | 36 | 0 | 72 | 100 | 59.5 | 31 | 86 |
| Gristmill | Excel 352 TW | SR | 98 | 57.2 | 37 | 0 | 87 * | 100 | 59.3 | 34 | 92 |
| Gristmill | Excel 361 | SR | 100 | 58.3 | 36 | 0 | | | | | |
| Gristmill | Excel 399 | SR | 106 * | 56.9 | 37 | 0 | 83 | 100 | 60.3 | 33 | 95 * |
| Gristmill | Excel 410TW | SR | 102 | 57.5 | 36 | 0 | | | | | |
| Gristmill | Excel 442 | SR | 103 | 55.4 | 37 | 0 | | | | | |
| Gristmill | GM 305 | SR | 101 | 57.3 | 35 | 0 | | | | | |
| FS Seeds | FS 634 | SR | 98 | 56.5 | 36 | 0 | 75 | 100 | 59.5 | 32 | 87 |
| FS Seeds | FS 637 | SR | 100 | 55.6 | 34 | 0 | | | | | |
| FS Seeds | FS 645 | SR | 108 * | 57.6 | 37 | 0 | | | | | |
| FS Seeds | FS 657 | SR | 89 | 55.8 | 37 | 0 | | | | | |
| FS Seeds | FS 8309 | SR | 99 | 56.3 | 35 | 0 | 80 | 100 | 59.3 | 30 | 89 |
| Jung | 5988 | SR | 95 | 56.5 | 39 | 0 | | | | | |
| Jung | 5804 | SR | 97 | 56.4 | 34 | 0 | 77 | 100 | 61.5 | 32 | 87 |
| Kaltenberg | KW 48 | SR | 102 | 56.5 | 39 | 0 | 72 | 96 | 60.6 | 34 | 87 |
| Kaltenberg | KW 51 | SR | 90 | 56.9 | 34 | 0 | 77 | 100 | 59.9 | 32 | 83 |
| Kaltenberg | KW 53 | SR | 104 | 56.1 | 35 | 0 | 77 | 100 | 59.0 | 31 | 91 |
| Kaltenberg | KW 55 | SR | 92 | 56.9 | 36 | 0 | 80 | 98 | 59.3 | 33 | 86 |
| Kaltenberg | KW 58 | SR | 103 | 57.4 | 37 | 0 | 81 | 100 | 59.3 | 33 | 92 |
| Kaltenberg | KW 59 | SR | 91 | 55.2 | 37 | 0 | | | | | |
| Kaltenberg | KW 60 | SR | 101 | 56.6 | 38 | 0 | | | | | |

Continued

**2006 Winter Wheat Variety Trial Results.
Racine, Wisconsin. (Expt. 2632)**

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|-------------------|--------------------|--------------|---------------|----------------------|--------------|------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Pioneer | 25R37 | SR | 90 | 56.3 | 34 | 0 | 75 | 100 | 60.3 | 29 | 82 |
| Pioneer | 25R47 | SR | 109 * | 55.3 | 33 | 0 | 90 * | 100 | 59.3 | 29 | 99 * |
| Pioneer | 25R51 | SR | 115 * | 55.4 | 34 | 0 | | | | | |
| Pioneer | 25R63 | SR | 111 * | 55.6 | 35 | 0 | | | | | |
| Pioneer | 25R78 | SR | 103 | 56.0 | 32 | 0 | 77 | 94 | 59.8 | 29 | 90 |
| Pro Seed Genetics | Pro 200 | SR | 106 * | 57.7 | 37 | 0 | 85 * | 100 | 59.3 | 36 | 95 * |
| Pro Seed Genetics | Pro EX 210 | SR | 96 | 56.8 | 36 | 0 | 85 * | 100 | 59.2 | 33 | 90 |
| Pro Seed Genetics | Pro EX 220 | SR | 92 | 57.8 | 34 | 0 | 85 * | 100 | 61.0 | 36 | 88 |
| Seed-link | Carlisle | HR | 91 | 58.7 | 34 | 0 | 74 | 100 | 63.0 | 32 | 83 |
| Seed-link | Harvard | HR | 92 | 58.0 | 39 | 0 | 81 | 100 | 62.0 | 34 | 87 |
| Seed-link | Maxine | HR | 90 | 58.4 | 38 | 0 | 74 | 100 | 61.3 | 32 | 82 |
| Seed-link | ACS 97003 | HR | 96 | 57.3 | 36 | 0 | 76 | 100 | 61.5 | 35 | 86 |
| DynaGro | DG 403 | SR | 95 | 55.8 | 35 | 0 | 72 | 100 | 59.5 | 33 | 83 |
| DynaGro | DG 410 | SR | 101 | 56.7 | 35 | 0 | 76 | 100 | 59.8 | 32 | 89 |
| DynaGro | DG 419 | SR | 99 | 56.9 | 37 | 0 | 72 | 100 | 59.5 | 34 | 86 |
| Public - exp | IL 99-15867 | SR | 81 | 55.8 | 33 | 0 | | | | | |
| Public - exp | IL 00-1665 | SR | 103 | 56.8 | 33 | 0 | | | | | |
| Public - exp | OH 708 | SR | 95 | 55.8 | 36 | 0 | | | | | |
| Public - exp | OH 776 | SR | 104 | 57.3 | 37 | 0 | | | | | |
| Public - exp | P 981359C1-4-2-1-8 | SR | 97 | 59.0 | 39 | 0 | 66 | 85 | 61.4 | 33 | 81 |
| Public - exp | P 99608C1-1-3-4 | SR | 103 | 56.2 | 36 | 0 | | | | | |
| Public - exp | P 99840C4-8-4 | SR | 94 | 58.3 | 34 | 0 | | | | | |
| Public - exp | VA 02W-513 | SR | 100 | 57.6 | 30 | 0 | | | | | |
| Mean | | | 99 | 56.7 | 36 | 0 | 74.6 | 93 | 59.7 | 32 | 88 |
| LSD(.10) | | | 10 | 0.7 | 2 | ns | 6.9 | 12 | 1.0 | 2 | 6 |

(1) Class: SR = Soft Red and HR = Hard Red; (2) Belgian Lodging System rounded to whole number (0=none - 9=severe)

* Yields followed by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

2006 Winter Wheat Variety Trial Results. Chilton, Wisconsin. (Expt. 2633)

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|------------|--------------|--------------|---------------|----------------------|--------------|---------------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) (0-9) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Public | Cardinal | SR | 97 | 57.8 | 42 | 5 | 68 | 75 | 57.0 | 24 | 83 |
| Public | Hopewell | SR | 113 * | 57.2 | 38 | 6 | 76 * | 75 | 57.0 | 27 | 94 * |
| Public | Kaskaskia | SR | 96 | 58.1 | 40 | 6 | 66 | 85 | 56.5 | 30 | 81 |
| Public | Truman | SR | 108 | 59.2 | 40 | 7 | 54 | 47 | 56.5 | 26 | 81 |
| Diener | D 490 W | SR | 110 | 57.4 | 38 | 6 | | | | | |
| Diener | D 495 W | SR | 108 | 59.0 | 39 | 7 | 64 | 74 | 57.8 | 24 | 86 * |
| Diener | D 510 W | SR | 107 | 58.7 | 41 | 7 | | | | | |
| Diener | XW 48 | SR | 113 * | 57.7 | 38 | 7 | 72 * | 85 | 56.3 | 25 | 93 * |
| Gristmill | Excel 211 | SR | 96 | 58.1 | 41 | 6 | 68 | 61 | 56.8 | 26 | 82 |
| Gristmill | Excel 333 | SR | 108 | 57.0 | 40 | 7 | 60 | 56 | 55.5 | 24 | 84 |
| Gristmill | Excel 352 TW | SR | 108 | 57.8 | 40 | 7 | 75 * | 81 | 56.3 | 25 | 91 * |
| Gristmill | Excel 361 | SR | 105 | 60.3 | 41 | 5 | | | | | |
| Gristmill | Excel 399 | SR | 110 | 57.7 | 41 | 6 | 63 | 49 | 56.0 | 25 | 86 * |
| Gristmill | Excel 410TW | SR | 112 * | 58.5 | 41 | 6 | | | | | |
| Gristmill | Excel 442 | SR | 101 | 56.7 | 40 | 7 | | | | | |
| Gristmill | GM 305 | SR | 121 * | 59.3 | 39 | 5 | | | | | |
| FS Seeds | FS 634 | SR | 106 | 57.5 | 41 | 5 | 60 | 61 | 57.5 | 25 | 83 |
| FS Seeds | FS 637 | SR | 113 * | 57.6 | 38 | 6 | | | | | |
| FS Seeds | FS 645 | SR | 111 * | 59.1 | 40 | 6 | | | | | |
| FS Seeds | FS 657 | SR | 94 | 57.3 | 42 | 8 | | | | | |
| FS Seeds | FS 8309 | SR | 108 | 57.9 | 35 | 7 | 75 * | 59 | 56.3 | 26 | 91 * |
| Jung | 5988 | SR | 122 * | 58.6 | 41 | 7 | | | | | |
| Jung | 5804 | SR | 118 * | 59.6 | 38 | 7 | 63 | 53 | 57.5 | 22 | 90 * |
| Kaltenberg | KW 48 | SR | 93 | 56.2 | 42 | 9 | 48 | 33 | 55.5 | 25 | 71 |
| Kaltenberg | KW 51 | SR | 118 * | 59.0 | 39 | 6 | 70 | 66 | 56.9 | 25 | 94 * |
| Kaltenberg | KW 53 | SR | 104 | 57.6 | 36 | 6 | 53 | 46 | 55.0 | 22 | 78 |
| Kaltenberg | KW 55 | SR | 112 * | 58.9 | 40 | 6 | 66 | 40 | 58.5 | 22 | 89 * |
| Kaltenberg | KW 58 | SR | 92 | 58.3 | 39 | 6 | 74 * | 66 | 57.8 | 27 | 83 |
| Kaltenberg | KW 59 | SR | 97 | 56.5 | 42 | 8 | | | | | |
| Kaltenberg | KW 60 | SR | 117 * | 57.9 | 39 | 6 | | | | | |

Continued

2006 Winter Wheat Variety Trial Results. Chilton, Wisconsin. (Expt. 2633)

| Brand | Entry | Class (1) | 2006 Means | | | | 2005 Means | | | | 2-Year |
|-------------------|--------------------|--------------|---------------|----------------------|--------------|------------------|---------------|-------------------------|----------------------|--------------|-----------------------|
| | | | Yield bu/a | Test Wt. lb/bu | Height in | Lodg- ing (2) | Yield bu/a | Winter Survival % | Test Wt. lb/bu | Height in | Mean Yield bu/a |
| Pioneer | 25R37 | SR | 115 * | 58.6 | 37 | 7 | 50 | 31 | 56.9 | 21 | 82 |
| Pioneer | 25R47 | SR | 114 * | 57.1 | 36 | 7 | 70 | 58 | 56.8 | 22 | 92 * |
| Pioneer | 25R51 | SR | 106 | 55.4 | 35 | 8 | | | | | |
| Pioneer | 25R63 | SR | 109 | 57.0 | 37 | 9 | | | | | |
| Pioneer | 25R78 | SR | 122 * | 58.3 | 35 | 6 | 50 | 42 | 56.4 | 22 | 86 * |
| Pro Seed Genetics | Pro 200 | SR | 100 | 58.6 | 39 | 7 | 79 * | 89 | 57.0 | 27 | 90 * |
| Pro Seed Genetics | Pro EX 210 | SR | 99 | 59.0 | 39 | 7 | 62 | 40 | 56.8 | 25 | 80 |
| Pro Seed Genetics | Pro EX 220 | SR | 114 * | 59.8 | 40 | 5 | 72 * | 79 | 59.0 | 25 | 93 * |
| Seed-link | Carlisle | HR | 108 | 60.6 | 36 | 6 | 69 | 80 | 61.3 | 27 | 88 * |
| Seed-link | Harvard | HR | 106 | 60.2 | 39 | 6 | 80 * | 96 | 59.5 | 29 | 93 * |
| Seed-link | Maxine | HR | 105 | 59.8 | 37 | 6 | 64 | 68 | 59.0 | 22 | 85 * |
| Seed-link | ACS 97003 | HR | 87 | 58.8 | 37 | 7 | 67 | 80 | 57.5 | 28 | 77 |
| DynaGro | DG 403 | SR | 102 | 57.6 | 40 | 7 | 58 | 56 | 56.5 | 26 | 80 |
| DynaGro | DG 410 | SR | 111 * | 58.5 | 40 | 5 | 63 | 60 | 56.8 | 25 | 87 * |
| DynaGro | DG 419 | SR | 101 | 58.0 | 41 | 7 | 66 | 56 | 57.5 | 24 | 83 |
| Public - exp | IL 99-15867 | SR | 117 * | 58.4 | 38 | 7 | | | | | |
| Public - exp | IL 00-1665 | SR | 114 * | 57.9 | 37 | 7 | | | | | |
| Public - exp | OH 708 | SR | 112 * | 57.1 | 42 | 7 | | | | | |
| Public - exp | OH 776 | SR | 99 | 58.7 | 38 | 6 | | | | | |
| Public - exp | P 981359C1-4-2-1-8 | SR | 109 | 60.7 | 43 | 5 | 59 | 54 | 58.8 | 26 | 84 |
| Public - exp | P 99608C1-1-3-4 | SR | 108 | 57.5 | 37 | 6 | | | | | |
| Public - exp | P 99840C4-8-4 | SR | 124 * | 59.5 | 37 | 6 | | | | | |
| Public - exp | VA 02W-513 | SR | 123 * | 59.5 | 33 | 7 | | | | | |
| Mean | | | 108 | 58.3 | 39 | 7 | 56 | 51 | 56.7 | 24 | 86 |
| LSD(.10) | | | 13 | 0.7 | 3 | 1 | 11 | 18 | 1.4 | 3 | 9 |

(1) Class: SR = Soft Red and HR = Hard Red; (2) Belgian Lodging System rounded to whole number (0=none - 9=severe)

* Yields followed by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.