

Spring Wheat

- 1915-1950: Averaged less than ½ of WW
- 2001-2005: Averaged 49% of WW (28-56%)
- 2019: Averaged 43% of WW (36-55%)

| Colby, Kansas Sprin | g Wheat and Winter Who | eat, 2001-2005 |
|---------------------|------------------------|------------------------|
| | Winter Wheat | Spring Wheat |
| Year | Mean of Top LSD | Maan |
| | Group | Mean |
| | Grain Yield | d, bu ac ⁻¹ |
| 2001 | 82.1 | 46.0 |
| 2002 | 43.2 | 12.1 |
| 2003 | 78.7 | 42.4 |
| 2004 | 60.1 | 30.3 |
| 2005 | 78.2 | 37.5 |
| Average | 68.5 | 33.7 |



R. Aiken, 2008. unpublished data.

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| Notes | Basis Month | Basis | Cash Price | Futures Price | |
|------------------------|----------------|-------|---------------|---------------|---------------|
| Corn | | | | | |
| IN STORE BID | September 2020 | -5 | <u>\$3.23</u> | 328-0 | |
| 2020 NEW CROP BID | December 2020 | -23 | <u>\$3.19</u> | 342-2 | |
| Hard Red Winter Whea | it | | | | |
| IN STORE BID | September 2020 | -39 | \$3.89 | 427-4 | |
| Milo | | • | | | |
| IN STORE BID | September 2020 | 35 | <u>\$3.63</u> | 328-0 | _ |
| 2020 NEW CROP BID | December 2020 | 35 | <u>\$3.77</u> | 342-2 | \$0.84/bu |
| Soybeans | | | | | / |
| IN STORE BID | September 2020 | -100 | <u>\$8.12</u> | 911-6 | Plus the |
| Spring Wheat | | _ | | | difference in |
| To Arrive Spring Wheat | September 2020 | -30 | \$4.73 | 503-2 | fallow cost |

Quotes retrieved on August 18, 2020, 10:41:20 AM CDT
All grain prices are subject to change at any time.
Cash bids are based on 10-minute delayed futures prices, unless otherwise noted.



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Spring Wheat

- So why would you do this?
 - Fallow alternative
 - Potential marketing opportunities for spring wheat
- Unknowns
 - Any economic return will be contingent on growing satisfactory quality, can we consistently do that in our environment?
- Be Aware
 - Different market class than HRWW, cannot be blended. However, white is a different story



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| Variety | Gra | in yield | Moisture | Test \ | Veight | Kernel | weight | Plant H | leigh |
|--------------|-------|--------------------------------------|----------|---------|--------|----------|--------|---------|-------|
| | Mg ha | ⁻¹ (bu ac ⁻¹) | | | | m | g | ir | 1 |
| LCS_Cannon | 3.51 | (56) a | 11.8 | 59.8 | а | 30.7 | abcd | 28.8 | bc |
| WB7589 | 2.99 | (48) b | 10.8 | 54.4 | g | 31.7 | ab | 26.0 | CC |
| WB9590 | 2.98 | (47) b | 11.2 | 55.0 | fg | 30.7 | abc | 27.3 | bo |
| WB9479 | 2.90 | (46) bc | 11.0 | 56.3 | def | 30.2 | bcde | 26.8 | CC |
| LCS_Trigger | 2.89 | (46) bc | 11.1 | 56.6 | cdef | 28.8 | efg | 28.8 | bo |
| WB7202CLP | 2.80 | (45) bcd | 11.4 | 55.5 | defg | 28.8 | ef | 28.3 | bo |
| MS_Barracuda | 2.75 | (44) bcde | 11.3 | 57.0 | bcde | 30.7 | abcd | 29.3 | al |
| MS_Chevelle | 2.71 | (43) cde | 10.9 | 56.1 | defg | 28.1 | fgh | 30.5 | al |
| SY_Valda | 2.71 | (43) cde | 11.4 | 58.4 | ab | 29.9 | cde | 26.8 | CC |
| LCS_Rebel | 2.66 | (42) cde | 10.9 | 57.2 | bcd | 26.9 | h | 32.5 | а |
| WB97179 | 2.62 | (42) def | 11.3 | 55.2 | efg | 28.5 | efgh | 26.5 | CC |
| SY_Rustler | 2.59 | (41) def | 11.4 | 58.5 | ab | 32.0 | а | 29.2 | al |
| MS_Camaro | 2.52 | (40) efg | 11.5 | 58.0 | bc | 29.7 | cde | 25.5 | d |
| WB7328 | 2.38 | (38) fg | 11.1 | 55.6 | defg | 31.0 | abc | 27.3 | bo |
| MS_Stingray | 2.37 | (38) g | 11.9 | 55.9 | defg | 29.1 | def | 32.5 | а |
| WB9668 | 2.30 | (37) g | 11.3 | 55.3 | efg | 27.3 | gh | 26.8 | CC |
| LSD = 0.05 | | | | | | | | | |
| Variety | 0.24 | (3.7) | 0.0 | 1.7 | | 1.6 | | 3.8 | |
| | | 4 | NOVA P>F | | | | | | |
| Effect | | | | | | | | | |
| Variety | <0.00 | 01 | 0.7816 | < 0.000 | 1 | < 0.0001 | | 0.0058 | 3 |

Planted 4/23/2019 at 1.3M seeds/ac Harvested 7/31/2019, yields reported at 13.5% moisture

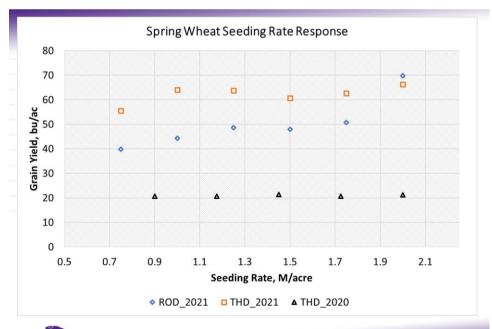


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| Company | Variety | Grain Yield | Moisture | Test Weight | Protein | Headin | g Date | Seeds/Lb |
|------------------|--------------|-----------------|----------|-------------|---------|--------|--------|--------------|
| | | bu/ac | % | bu/ac | % | DO | ΟY | |
| WestBred | WB9590 | 24.3 a | 12.1 | 54.0 abcd | 17.94 | 6/3 | defg | 21551 efgh |
| Meridian Seeds | MS Ranchero | 23.6 ab | 13.1 | 52.9 cd | 17.64 | 5/31 | h | 23366 abcd |
| imagrain. | LCS Cannon | 23.6 ab | 12.2 | 55.9 ab | 17.51 | 6/1 | gh | 24445 ab |
| Meridian Seeds | MS Chevelle | 23.5 ab | 12.2 | 56.6 a | 16.59 | 6/3 | de | 22541 cdefg |
| WestBred | WB9606 | 22.9 ab | 12.2 | 54.6 abc | 16.93 | 6/4 | cd | 23033 abcde |
| Meridian Seeds | MS Barracuda | 22.6 ab | 12.2 | 54.9 abc | 17.71 | 6/2 | efgh | 21006 gh |
| WestBred | WB7202CL | 22.5 ab | 12.0 | 51.7 d | 17.47 | 6/1 | fgh | 24846 a |
| Syngenta AgriPro | SY Ingmar | 22.4 ab | 12.8 | 55.8 ab | 18.43 | 6/8 | а | 23389 abcd |
| WestBred | WB7696 | 21.9 abc | 12.0 | 53.3 bcd | 17.94 | 6/2 | efgh | 23120 abcde |
| WestBred | WB9719 | 21.7 abc | 11.9 | 53.1 cd | 17.68 | 6/5 | bc | 20499 h |
| WestBred | WB9479 | 21.6 abc | 12.3 | 53.6 bcd | 18.00 | 6/3 | de | 21321 fgh |
| Meridian Seeds | MS Camaro | 21.2 abc | 12.1 | 56.1 ab | 17.66 | 6/4 | cd | 22089 cdefgl |
| imagrain. | LCS Trigger | 21.0 abc | 12.0 | 55.2 abc | 17.75 | 6/5 | bc | 22016 cdefgl |
| imagrain. | LCS Rebel | 20.6 bc | 12.4 | 56.4 a | 19.00 | 6/3 | defg | 21809 defgh |
| Syngenta AgriPro | SY Rustler | 19.0 c | 12.2 | 53.2 abcd | 17.36 | 6/3 | def | 23653 abc |
| Syngenta AgriPro | SY Valda | 18.8 c | 13.4 | 52.2 cd | 17.87 | 6/6 | ab | 22774 bcdef |
| | P>F | 0.0404 | 0.0839 | 0.0165 | 0.1350 | <0.0 | 0001 | 0.0002 |
| | LSD (0.05) | 3.2 | NS | 2.8 | NS | 1.5 | 727 | 1737 |

Bold yields represent the top yield group at LSD (0.05)
Spring wheat was seeded into fresh (2019 crop) dryland corn stalks
Seeded 3/12/2020 on 10" row spacing at 1.5M live seed/acre
130 lb/ac N applied as UAN topdress prior to joint
Different letters represent statistical differences at LSD=0.05.

| | | Thomas | Thomas | Thomas | Rooks | | | |
|-------------------------|--------------------|----------------|------------------|----------------|------------------|-------------------|-------------------|-----------------------------|
| | | Dryland | Dryland | Dryland | Dryland | | | |
| | Variety | 2019 | 2020 | 2021 | 2021 | 2-Year Average | 4-Year Average | |
| | | | Gr | ain Yield, bu | ac ⁻¹ | | | |
| | LCS Cannon | 55.9 | 23.6 | 53.8 | 50.7 | | 46.0 | |
| | WB9590 | 47.4 | 24.3 | 54.9 | 44.8 | | 42.9 | |
| | LCS Trigger | 46.0 | 21.0 | 52.4 | 52.0 | | 42.9 | |
| | WB9719 | 41.7 | 21.7 | 54.0 | 41.0 | | 39.6 | |
| | LCS Rebel | 42.4 | 20.6 | 49.4 | 40.6 | | 38.3 | |
| | WB9707 | | | 49.4 | 42.2 | 45.8 | | |
| | ND VitPro | | | 47.0 | 38.0 | 42.5 | | |
| | ND Prohberg | | | 42.6 | 36.0 | 39.3 | | |
| | WB9479 | 46.1 | 21.6 | | | 33.9 | | |
| | WB7202CLP | 44.6 | 22.5 | | | 33.6 | | |
| | MS Chevelle | 43.1 | 23.5 | | | 33.3 | | |
| | MS Barracuda | 43.8 | 22.6 | | | 33.2 | | |
| | SY Valda | 43.1 | 18.8 | | | 31.0 | | |
| | MS Camaro | 40.1 | 21.2 | | | 30.6 | | |
| | SY Rustler | 41.3 | 19.0 | | | 30.2 | | |
| | AP Murdock | | | 44.5 | | | | |
| | AP509-2 | | | 46.4 | | | | |
| | MS Ranchero | | | | | | | |
| | MS Stingray | 37.7 | | | | | | |
| | SY Ingmar | | 22.4 | | | | | |
| | WB7328 | 38.0 | | | | | | |
| | WB7589 | 47.7 | | | | | | |
| | WB7696 | | 21.9 | | | | | |
| | WB9606 | | 22.9 | 49.6 | 48.2 | | | |
| | WB9668 | 36.7 | | | | | | |
| | P>F | <0.0001 | 0.0404 | 0.0013 | 0.0016 | | | |
| | LSD (0.05) | 3.7 | 3.2 | 5.8 | 7.6 | | | |
| C | Yields in bold rep | oresent the to | o statistical gr | oup | | | | |
| CTATTE | 2019 was seeded | | | | | | | Know. ^{for} Lif |
| STATE rch and Extension | 2020 was seeded | d into com sta | lks harvested | the prior fall | | | | for I |





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