



## 2023 Dryland Corn Hybrid Performance Trial at Julesburg

Brand	Hybrid	Insect and Herbicide Technology Traits <sup>a</sup>	Grain		Relative Maturity <sup>c</sup>	Moisture percent	Test Weight lb/bu	Ear Height in	Population plants/ac
			Yield <sup>b</sup> bu/ac	Yield % of test avg.					
Hoegemeyer Hybrids	7094 Q	Q, LL, RR2	<b>92</b>	109%	100	11	58	27	15,885
Dekalb	DKC47-54	SSRIB, LL, RR2	86	102%	97	11	58	26	15,647
Hoegemeyer Hybrids	7523 Q	Q, LL, RR2	84	100%	105	10	58	30	15,660
Hoegemeyer Hybrids	7138 AM	AM, LL, RR2	83	99%	101	10	55	30	15,939
Hoegemeyer Hybrids	7681 AML	AML, LL, RR2	83	99%	106	11	55	27	15,958
Channel Seed	195-85DG	DG, VT2P, RR2	76	91%	95	9	56	28	16,119
<b>Average</b>			<b>84</b>	<b>100%</b>	<b>101</b>	<b>10</b>	<b>57</b>	<b>28</b>	<b>15,900</b>
Replicates			4			4	4	1	4
<sup>d</sup> LSD (0.30)			5						
<sup>d</sup> LSD (0.05)			NS						
Coefficient of Variation (CV)			9						

<sup>a</sup>Technology trait designations: AM=AcreMax; AML=AcreMax Leptra; LL=LibertyLink; Q=QROME; RR2=Roundup Ready 2; SSRIB=SmartStax RIB Complete; VT2P=VecTran Double Protection. For a list of specific pests controlled by each trait, please click [here](#).

<sup>b</sup>Yields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group (0.30).

<sup>c</sup>Relative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity. The method of calculation of the relative maturity ratings may vary among companies.

<sup>d</sup>If the difference between varieties is equal to or greater than the LSD value, the chance the difference is significant is 70% (for LSD 0.30). There were no statistically significant differences at the 0.05 level. Farmers selecting a hybrid based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding hybrids are the same when they are actually different). Companies or researchers may use LSD (.05) to avoid false positive conclusions (concluding hybrids are different when they are actually the same).

### Site Information

Collaborator: Carlson Farms  
 Planting Date: May 22, 2023  
 Harvest Date: October 14, 2023  
 Soil Type: Richfield loam  
 GPS Coordinates: 40.82122, -102.32380  
 Trial Comments: Planted in to heavy stripper header wheat stubble. Very good stands and emergence. Radar estimates showed the trial received about 10.7 inches of rain from planting to harvest, and 19.6 inches since January 1st, which is 113% of the ten-year average (year-to-date).

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