



## 2023 Irrigated Corn Hybrid Performance Trial at Wiggins

Brand	Hybrid	Insect and Herbicide Technology Traits <sup>a</sup>	Grain		Relative Maturity <sup>c</sup>	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac
			Yield <sup>b</sup> bu/ac	Yield % of test avg.					
Channel Seed	204-54	SSPro, LL, RR2	<b>196</b>	113%	104	15	60	93	33,018
Dekalb	DKC56-65	SSRIB, LL, RR2	179	103%	106	15	60	79	34,117
NK Seed	NK0922-V	V, RR2	176	101%	109	15	60	91	31,544
NK Seed	NK0243-D	D, RR2	173	100%	102	15	60	86	34,064
NK Seed	NK0007-AA	AA, RR2	170	98%	100	15	61	80	31,630
Pioneer	P0908 AML	AML, LL, RR2	166	96%	109	15	61	85	36,391
NK Seed	NK0821-D	D, RR2	163	94%	108	17	60	92	35,216
Channel Seed	201-07	SSPro, LL, RR2	162	94%	101	13	60	79	30,763
<b>Average</b>			<b>173</b>	<b>100%</b>	<b>105</b>	<b>15</b>	<b>60</b>	<b>86</b>	<b>33,300</b>
Replicates			3			3	3	1	3
<sup>d</sup> LSD (0.30)			9						
<sup>d</sup> LSD (0.05)			19						
Coefficient of Variation (CV)			6						

<sup>a</sup>Technology trait designations: AA=Agrisure Above; AML=AcreMax Leptra; D=Duracade; LL=LibertyLink; RR2=Roundup Ready 2; SSPro=SmartStax Pro; SSRIB=SmartStax RIB Complete; V=Viptera. 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: Cooksey Farms, LLC

Planting Date: May 22, 2023

Harvest Date: November 4, 2023

Fertilizer: Pre-Plant: N at 20, P at 16, K at 11.5, S at 8 lb/ac and humic acid at 1 gal/ac  
In-Season: N at 200 lb/ac through strip tillage and pivot

Soil Type: Truckton sandy loam

GPS Coordinates: 39.99784, -104.10372

Trial Comments: Planted into dry bean stubble, excellent stands and emergence. Plant leaf burn occurred in July due to negative interaction of crop oil concentrate in a herbicide mix and high humidity at time of application. Radar estimates showed the trial received about 13 inches of rain from planting to harvest, and 23 inches since January 1st, which is 135% of the ten-year average (year-to-date).

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