



UNIVERSITY of NEBRASKA
LINCOLN

Cheyenne County Rainfed 2020 Dryland Sorghum Trial

Name	Company	Plant Height (in)	Test Weight (lb/bu)	Population (plants/acre)	50% Bloom (Days after Planting)	Yield (bu/a) ¹
DKS29-95	DEKALB	36.8	45.8	36,954	82	29.9
AG1201	ADVANTA	34.5	50.0	31,145	81	29.1
GX17912	Dyna-Gro Seed	38.0	45.7	33,686	82	27.2
M59GB94	Dyna-Gro Seed	39.0	45.4	31,799	85	26.9
KS310	S&W Seeds/Sorghum Partners	38.5	50.3	34,703	83	23.5
19015	Gayland Ward Seeds	42.5	39.0	37,680	85	23.3
M59GB57	Dyna-Gro Seed	36.0	45.4	32,888	82	22.2
M54GR24	Dyna-Gro Seed	36.8	50.1	30,927	83	20.9
ADV XG076	ADVANTA	38.0	44.7	26,427	83	19.9
SP 31A15	S&W Seeds/Sorghum Partners	36.8	47.0	34,775	83	19.4
ADV G1329	ADVANTA	31.5	45.0	15,682	83	19.3
DKS37-07	DEKALB	37.8	49.4	33,396	86	19.2
M57GB19	Dyna-Gro Seed	36.8	43.7	31,363	83	19.1
AS212	Arrow Seed	38.5	48.7	33,033	82	18.9
SP 25C10	S&W Seeds/Sorghum Partners	38.0	42.3	29,476	81	18.9
GX18919	Dyna-Gro Seed	38.8	39.7	34,412	82	18.6
AG 1401	ADVANTA	37.8	46.3	31,508	83	18.4
DKS36-07	DEKALB	38.0	37.5	30,419	86	17.9
M57GC29	Dyna-Gro Seed	32.8	46.6	17,206	83	17.5
LGS 5002	Legend Seeds	34.3	43.1	33,687	83	16.4
Check	NA	34.3	46.1	34,485	80	16.3
NK 2212	S&W Seeds/Sorghum Partners	36.0	43.5	20,836	81	.
AS248FG	Arrow Seed	38.0	43.0	11,906	84	.
LGS 5508W	Legend Seeds	37.0	45.7	13,286	87	.
DKS28-05	DEKALB	40.0	42.9	32,307	83	.
ADV G2106	ADVANTA	38.0	43.5	29,766	83	.
ADV XG9127	ADVANTA	34.5	37.6	24,757	89	.
19014	Gayland Ward Seeds	36.0	30.6	31,654	88	.
18057	Gayland Ward Seeds	35.3	.	31,944	88	.

¹ Adjusted to 56 lb/bu and 14% moisture.

	Standard Error	2.1	4.4	1,955	1.2	3.5
	LSD²	3.6	7.4	3,252	2.0	6.3
	Mean³	36.9	44.3	29,383	83.5	21.1
	CV⁴	5.7	9.9	6.7	1.4	17.6
	Reps	4	4	4	4	4

SITE INFORMATION

Collaborator: High Plains Ag Lab, Sidney, NE
 Planting Date: May 27, 2020
 Harvest Date: November 3, 2020
 Seeding Information: 45,000 seeds per acre using precision vacuum seeder with liquid in-furrow starter fertilizer (5 gal/acre 10-34-0).
 Planting Conditions: Seeding depth of 1.5" into fair moisture. Planted into no-till wheat residue.
 GPS: 41.241808, -102.995469
 Notes: Excellent initial stand due to fair spring moisture. Accumulation of GDDs not adequate for some of the entries to finish/mature. Early fall freezes reduced test weights. Recommended to consider multi-year and multi-site averages. Entries that did not finish are listed at the bottom of the table and not included in the final yield analysis.
 Further details regarding hybrid characteristics, maturities, and cultural practices will be forthcoming in the Spring Seed Guide.

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² For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

³ Mean performance of all entries in the trial.

⁴ Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial. For CV>15, there was higher than expected variability in the field or the data and the results should be used with caution.