



UNIVERSITY of NEBRASKA  
LINCOLN

## Clay County Rainfed 2020 Dryland Sorghum Trial

Name	Company	Plant Height (in)	Test Weight (lb/bu)	Population (plants/acre)	Yield (bu/a) <sup>1</sup>	Lodging (%)
ADV XG117IG	ADVANTA	48.5	61.0	76,536	184.0	0
M71GR91	Dyna-Gro Seed	58.0	62.1	90,817	179.7	6-10
18057	Gayland Ward Seeds	53.0	60.3	85,495	175.5	0
AG1203	ADVANTA	52.0	61.3	79,729	174.7	<5
GX19981	Dyna-Gro Seed	54.0	60.8	82,508	170.3	0
ADV G2106	ADVANTA	48.7	60.2	78,388	170.1	0
DKS44-07	DEKALB	54.0	61.4	98,643	169.7	6-10
DKS38-16	DEKALB	55.5	61.5	84,107	166.5	6-10
GX17912	Dyna-Gro Seed	49.0	59.5	93,312	165.6	0
M72GB71	Dyna-Gro Seed	56.3	60.8	72,583	164.9	6-10
ADV XG256	ADVANTA	54.0	58.9	62,725	163.8	0
AS248FG	Arrow Seed	52.0	59.8	59,586	162.9	0
ADV XG9127	ADVANTA	49.7	58.7	64,061	162.2	0
M60GB31	Dyna-Gro Seed	52.0	61.7	78,752	159.6	11-15
ADV XG116IG	ADVANTA	47.0	60.5	74,726	158.2	<5
ADV XG141	ADVANTA	50.0	59.6	68,234	158.2	6-10
M69GB38	Dyna-Gro Seed	57.5	59.4	69,268	157.8	6-10
ADV XG390IG	ADVANTA	50.3	60.8	69,872	156.8	0
ADV XG267	ADVANTA	54.0	57.4	56,763	156.8	0
AG 1401	ADVANTA	48.7	60.6	81,247	153.6	11-15
LGS X6321	Legend Seeds	56.7	59.6	76,227	153.6	<5
M62GB77	Dyna-Gro Seed	54.3	61.2	83,500	152.4	<5
M69GR88	Dyna-Gro Seed	52.0	61.0	71,502	151.0	0
SP 74M21	S&W Seeds/Sorghum Partners	52.0	58.6	77,916	150.3	0
M60GB88	Dyna-Gro Seed	48.3	59.2	81,102	148.9	16-20
DKS36-07	DEKALB	52.0	59.7	78,781	148.8	6-10
LGS 5002	Legend Seeds	46.3	59.9	94,898	148.5	<5
ADV G2275	ADVANTA	54.0	61.2	74,720	147.1	<5
SP 7715	S&W Seeds/Sorghum Partners	53.3	57.5	78,860	144.0	11-15
19017	Gayland Ward Seeds	58.0	54.7	61,200	143.1	<5
M54GR24	Dyna-Gro Seed	46.0	60.4	89,792	142.6	0
18072	Gayland Ward Seeds	55.0	56.4	69,862	142.3	0
M59GB94	Dyna-Gro Seed	52.5	60.6	91,996	138.3	6-10
19016	Gayland Ward Seeds	54.0	57.6	68,442	137.2	<5

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

<b>19015</b>	Gayland Ward Seeds	52.0	59.8	86,672	136.6	0
<b>18036</b>	Gayland Ward Seeds	58.0	59.6	77,186	136.3	11-15
<b>19014</b>	Gayland Ward Seeds	56.5	57.8	84,994	133.5	6-10
<b>AS262</b>	Arrow Seed	55.0	60.1	73,697	131.0	0
<b>18567</b>	Gayland Ward Seeds	54.0	58.6	77,739	130.9	16-20
<b>LGS 5508W</b>	Legend Seeds	52.0	59.4	60,111	130.9	0
<b>DKS37-07</b>	DEKALB	50.7	61.4	83,914	130.3	11-15
<b>AS292FG</b>	Arrow Seed	65.0	57.6	60,877	126.6	>20
<b>SP 68M57</b>	S&W Seeds/Sorghum Partners	51.0	58.6	71,270	118.7	<5
<b>LGS 5808</b>	Legend Seeds	.	.	.	.	.
<b>SP 43M80</b>	S&W Seeds/Sorghum Partners	.	.	.	.	.
	<b>Standard Error</b>	1.2	1.8	5,046	15.8	.
	<b>LSD<sup>2</sup></b>	2.0	3.1	8,464	26.5	.
	<b>Mean<sup>3</sup></b>	52.9	59.7	76,805	151.9	.
	<b>CV<sup>4</sup></b>	2.3	3.0	6.6	10.4	.
	<b>Reps<sup>5</sup></b>	5	5	5	5	5

#### SITE INFORMATION

Collaborator: Clay County Research Farm, Road J, Harvard, NE  
 Planting Date: June 2, 2020  
 Harvest Date: October 20, 2020  
 Seeding Information: 90,000 seeds/acre to achieve average final population of 75,000 plants/acre.  
 Planting Conditions: Planted into no-till corn residue with cone planter on 30" centers.  
 Management: Fertilized with 50.8 gal/acre of 32-0-0 and weed control using 3 qt/acre Lexar and 32 oz/acre Roundup PowerMax preplant.  
 Notes: Further details regarding hybrid characteristics, maturities, and cultural practices will be forthcoming in the Spring Seed Guide.  
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<sup>2</sup> For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

<sup>3</sup> Mean performance of all entries in the trial.

<sup>4</sup> 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.

<sup>5</sup> An issue with the planter meant that there was some unbalancedness in the trial as far as number of reps. The final analysis took the unbalanced data into account to provide the best possible averages. However, it is still recommended to consider multi-year averages.