

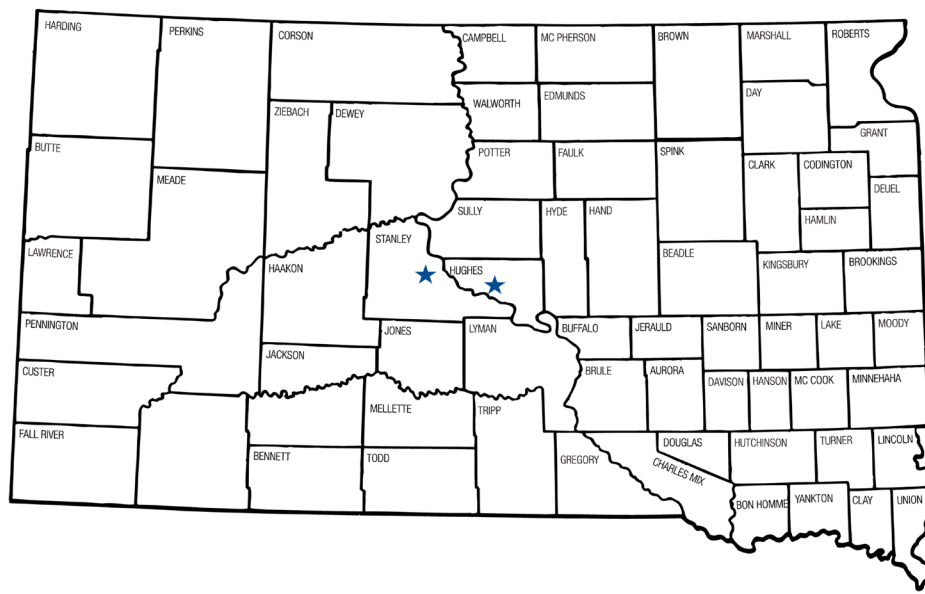


**SOUTH DAKOTA  
STATE UNIVERSITY**  
College of Agriculture, Food  
and Environmental Sciences

South Dakota State University Extension  
South Dakota Agricultural Experiment Station at SDSU

# 2024 South Dakota Sorghum Hybrid Trial Results Hayes

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<b>2024 trial locations:</b>	Hayes and Pierre
<b>Hayes Planting Date:</b>	5/21/24
<b>Hayes Harvest Date:</b>	10/21/24
<b>Seeding Rate:</b>	80,000 pls
<b>Fertility:</b>	50 # N (urea) + 6 gallons 10-25-0
<b>Acknowledgements:</b>	Thanks to Mr. Levi Neuharth, Dr. Dwayne Beck, Mr. Sam Ireland and crew for hosting these trials at Hayes and the Dakota Lakes Research Farm, respectively.

Individual trial location results can be accessed online at: <https://extension.sdstate.edu/sorghum-trial-results>

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## 2024 South Dakota Sorghum Hybrid Trial Results Variety List

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Table 1. List of sorghum hybrids tested in 2024 along with seed supplier and agronomic characteristics.

Hybrid	Company	Maturity Group (E, M/E, M)†	Days to 50% Bloom	Grain Color (B, C, R, W, Y)‡	Panicle Type (SC or SO)§
ADV G2168IG	Advanta	ME	65	B	SC
ADV G1201	Advanta	E	60	R	SC
ADV G1329	Advanta	E	58	C	SC
ADV G1153	Advanta	ME	63	R	SC
H6006	Hoegemeyer	ME	60	R	SO
H6020	Hoegemeyer	ME	62	R	SO
H6025	Hoegemeyer	ME	62	R	SO
H6037	Hoegemeyer	ME	63	R	SO
251	Sorghum Partners	E	56	R	SO
SP 43M80	Sorghum Partners	ME	59	R	SO
SP 30A30 DT	Sorghum Partners	E	56	R	SO
SP 45A45 DT	Sorghum Partners	ME	56	R	SO
SP 58M85 DT	Sorghum Partners	M	63	R	SO
SWGS2714 DT	Sorghum Partners	M	56	R	SO
SWGS2744 DT	Sorghum Partners	M	56	R	SO
SWGS4754 DT	Sorghum Partners	M	58	R	SO
SWGS3794 DT	Sorghum Partners	M	62	R	SO
SP 31A15	Sorghum Partners	E	56	R	SO
M54GR24	Dynagro	VE	54	R	SO
M59GB94	Dynagro	E	59	B	SO
M59GB57	Dynagro	E	59	B	SO
M60GB88	Dynagro	ME	60	B	SO
GX24991	Dynagro	VE	56	R	SO
BH 3520	BH Genetics	E	58	R	SO
BH 3818	BH Genetics	ME	61	R	SO
BH 3701C	BH Genetics	E	61	C	SC
CP 5302E	Croplan	E	53	B	SO
CP 5811A	Croplan	E	58	B	SO
CP 5921A	Croplan	E	59	C	SO
CP 6011	Croplan	E	60	B	SO
CP 6021A	Croplan	E	60	R	SO
CP 6145 DT	Croplan	ME	61	B	SO
CP 6211A	Croplan	ME	62	R	SC
CP 6311A	Croplan	ME	63	B	SC
CP 6367IG	Croplan	ME	63	R	SC
22GS61A	Croplan	ME	61	R	SO
CP 5730 DT	Croplan	E	57	B	SO

† Maturity: E=Early, M/E = Medium Early, M = Medium

‡ Grain Color: B = Bronze, C = Cream, R = Red, W = White, Y = Yellow

§ Panicle type: SC = Semi-Closed, SO = Semi-Open



## 2024 South Dakota Sorghum Hybrid Trial Results Hayes

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Table 2. 2024 sorghum hybrid performance trial results for testing site in Hayes, South Dakota. Varieties ranking in the top 1/3 of each trial category are shaded light blue and bold.

Variety	2024	95% Confidence Interval		2024	2-Year Average Yield	3-Year Average Yield
	Yield (bu/a)			Test Weight (lb/bu)		
251	84	70	97	60.2	-	-
22GS61A	113	100	126	58.9	-	-
ADV G1153	110	97	123	57.9	-	-
ADV G1201	112	99	126	56.1	-	-
ADV G1329	113	99	126	58.6	-	-
ADV G2168IG	<b>115</b>	101	128	59.4	-	-
BH 3520	114	100	127	58.1	-	-
BH 3701C	<b>120</b>	106	133	57.1	-	-
BH 3818	<b>117</b>	103	130	58.8	-	-
CP 5302E	104	91	118	60.7	-	-
CP 5730 DT	105	90	121	57.7	-	-
CP 5811A	<b>125</b>	111	138	58.1	112	-
CP 5921A	97	83	110	59.3	100	-
CP 6011	109	96	123	58.4	<b>116</b>	-
CP 6021A	110	96	123	58.5	109	-
CP 6145 DT	109	95	122	54.9	-	-
CP 6211A	<b>117</b>	104	131	58.7	<b>120</b>	-
CP 6311A	<b>123</b>	109	136	57.8	-	-
CP 6367IG	108	94	121	58.8	-	-
GX24991	<b>125</b>	110	141	58.7	-	-
H6006	107	94	121	60.2	108	-
H6020	<b>129</b>	116	143	58.7	<b>122</b>	<b>126</b>
H6025	<b>123</b>	109	136	60.5	-	-
H6037	105	92	118	58.9	-	-
M54GR24	96	81	112	59.5	103	110
M59GB57	100	87	113	56.3	102	112
M59GB94	<b>122</b>	104	141	58.1	<b>131</b>	<b>129</b>
M60GB88	113	99	126	58.5	109	119
SP 30A30 DT	<b>115</b>	101	128	58.1	112	-
SP 31A15	<b>130</b>	117	143	54.2	<b>117</b>	119
SP 43M80	108	92	123	59.4	104	108
SP 45A45 DT	106	93	119	57.1	114	-
SP 58M85 DT	112	99	126	58.4	-	-
SWGS2714 DT	99	85	112	56.2	-	-
SWGS2744 DT	93	78	109	56.4	-	-
SWGS3794 DT	88	69	107	51.1	-	-
SWGS4754 DT	97	83	110	53.1	-	-
<b>Trial Average</b>	110	-	-	57.9	100	117
<b>LSD†</b>	13.5	-	-	1.4	8.7	13
<b>CV‡</b>	10	-	-	2.1	-	-

† Value required ( $\geq$ LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is considered ideal.