

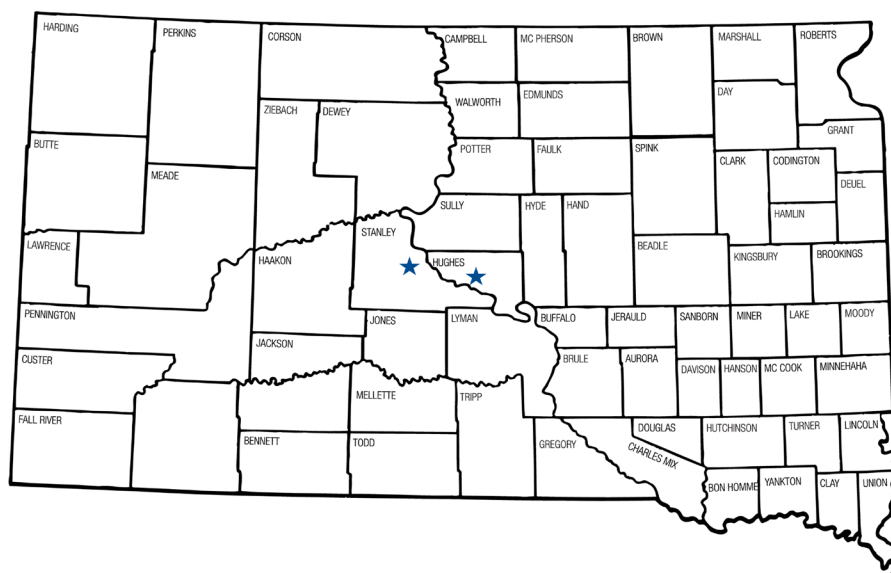


**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

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

2024 South Dakota Sorghum Hybrid Trial Results Pierre

Jeremy Williams | West River Research Farm Manager
Travis Iverson | Agricultural Research Manager
Lindsay Muller | Agricultural Research Technician
Bruce Swan | Agricultural Research Manager
Taylor Guiot | SDSU Summer Intern
Christopher Graham | SDSU Extension Agronomist



2024 trial locations:	Hayes and Pierre
Pierre Planting Date:	5/23/24
Pierre Harvest Date:	10/20/24
Seeding Rate:	80,000 pls
Fertility:	125 # N (urea) + 6 gallons 10-25-0
Acknowledgements:	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>

SDSU Extension is an equal opportunity provider and employer in accordance with the nondiscrimination policies of South Dakota State University, the South Dakota Board of Regents and the United States Department of Agriculture.

Learn more at extension.sdstate.edu.

© 2024, South Dakota Board of Regents

S-0002-2024-11-Sorghum-Pierre



2024 South Dakota Sorghum Hybrid Trial Results Variety List

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

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 Pierre

SOUTH DAKOTA STATE UNIVERSITY EXTENSION

Table 2. 2024 sorghum hybrid performance trial results for testing site in Pierre, 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	3-year
	Yield (bu/a)			Test Weight (lb/bu)	Yield (bu/a)	Yield (bu/a)
251	133	118	148	58.6	-	-
22GS61A	180	165	195	59.5	-	-
ADV G1153	168	153	183	59.8	-	-
ADV G1201	168	153	183	59.5	-	-
ADV G1329	147	132	162	60.1	-	-
ADV G2168IG	173	158	188	59.9	-	-
BH 3520	148	133	163	58.4	-	-
BH 3701C	199	184	214	58.7	-	-
BH 3818	174	157	192	58.1	-	-
CP 5302E	149	134	164	59.0	-	-
CP 5730 DT	184	169	199	59.2	-	-
CP 5811A	158	143	173	58.5	136	-
CP 5921A	152	137	167	60.0	122	-
CP 6011	185	164	206	59.7	145	-
CP 6021A	149	134	164	59.1	122	-
CP 6145 DT	170	155	186	59.6	-	-
CP 6211A	188	173	203	60.3	-	-
CP 6311A	210	193	228	59.8	-	-
CP 6367IG	206	191	221	59.9	-	-
GX24991	165	150	180	59.4	-	-
H6006	196	181	211	60.4	155	-
H6020	172	157	187	60.5	136	134
H6025	179	161	196	61.8	-	-
H6037	168	153	183	59.8	-	-
M54GR24	140	125	155	59.5	118	117
M59GB57	146	131	161	57.0	120	120
M59GB94	194	179	209	59.2	154	152
M60GB88	193	178	208	59.2	148	142
SP 30A30 DT	170	155	185	59.8	139	-
SP 31A15	145	130	160	55.7	132	131
SP 43M80	186	171	201	60.0	147	141
SP 45A45 DT	172	157	187	59.8	135	-
SP 58M85 DT	177	162	192	57.6	146	-
SWGS2714 DT	134	119	149	57.6	-	-
SWGS2744 DT	141	126	156	58.0	-	-
SWGS3794 DT	150	135	165	56.8	-	-
SWGS4754 DT	174	159	189	57.4	-	-
Trial Average	169	-	-	59.2	137	134
LSD†	15	-	-	0.9	NS	NS
CV‡	8	-	-	1.3	-	-

† 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.