



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

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

2021 South Dakota Sorghum Hybrid Trial Results Beresford

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Eastern trial locations: Beresford (SE Research Farm)

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



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2021 South Dakota Sorghum Hybrid Trial Results Variety List

Table 1. List of sorghum hybrids tested in 2021 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)§	Resistance to greenbug biotype or other traits:
M54GR24	Dyna-Gro Seed	E	54	R	SO	C,E
GX20973	Dyna-Gro Seed	M/E	61	B	SO	C,E,I
M63GB78	Dyna-Gro Seed	M	63	B	SO	C,E,I
M59GB57	Dyna-Gro Seed	E	59	B	SO	C,E
M60GB31	Dyna-Gro Seed	M/E	60	B	SO	C,E,I
M59GB94	Dyna-Gro Seed	E	59	B	SO	C,E,I
M60GB88	Dyna-Gro Seed	M/E	60	B	SO	C,E
SP25C10	Sorghum Partners	E	51	C	SO	none
SP31A15	Sorghum Partners	M/E	57	B	SO	none
SP68M57	Sorghum Partners	M	67	B	SO	none
SP43M80	Sorghum Partners	M/E	60	B	SO	none
251	Sorghum Partners	E	52	R	SO	none
SWGS3183	Sorghum Partners	M	65	B	SO	none

† 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



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Table 2. 2021 sorghum hybrid performance trial results for testing site in Beresford, South Dakota. Varieties ranking in the top third of each trial category are shaded light blue.

Variety	2021		2-year Yield (bu/a)	3-year Yield (bu/a)
	Yield (bu/a)	Test Weight (lb/bu)		
GX20973	123	62.0	-	-
M54GR24	111	59.5	-	-
M59GB57	98	58.0	-	-
M59GB94	116	59.7	-	-
M60GB31	131	60.7	-	-
M60GB88	115	59.2	-	-
M63GB78	121	59.7	-	-
SP251	79	57.0	-	-
SP25C10	92	56.5	-	-
SP31A15	98	56.9	-	-
SP43M80	106	58.2	-	-
SP68M57	125	58.7	-	-
SWGS3183	108	58.9	-	-
Average	109	58.8	-	-
LSD(0.05)†	9.4	0.8	-	-
C.V.%‡	5	1	-	-

Trial averages may include values from experimental lines that are not reported.

† 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.