



**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 Kennebec

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Central trial locations: Kennebec and Pierre

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



2021 South Dakota Sorghum Hybrid Trial Results Variety List

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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:
AG1101	Advanta	E	55	R	SO	none
ADV XG015 IG	Advanta	M/E	60	R	SO	IGROWTH
ADV XG272	Advanta	M/E	63	R	SO	none
ADV G1329	Advanta	E	58	C	SC	SCA
ADV G1201	Advanta	E	60	R	SO	SCA
ADV G1153	Advanta	-	-	-	-	none
ADV G1120 IG	Advanta	M/E	60	R	SC	IGROWTH
ADV XG160	Advanta	M/E	63	R	SO	none
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
LGS 5002	Legend Seeds	E	52	R	SO	C,E
LGS 6321	Legend Seeds	M/E	63	B	SO	none
1510C	LG Seeds	E	56	C	SO	none
2950B	LG Seeds	M/E	58	B	SO	none
2620C	LG Seeds	M/E	58	C	SO	none
2730B	LG Seeds	M/E	58	B	SO	none
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 Kennebec, 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)		
1510C	77	51.9	-	-
2620C	87	52.5	-	-
2730B	129	50.9	-	-
2950B	140	54.8	-	-
ADV G1120 IG	105	50.9	-	-
ADV G1153	119	53.0	-	-
ADV G1201	120	52.6	-	-
ADV G1329	99	51.4	-	-
ADV XG015 IG	86	50.0	-	-
ADV XG160	108	50.1	-	-
ADV XG272	106	49.3	-	-
AG1101	131	52.4	-	-
GX20973	85	49.5	-	-
LGS 5002	129	57.6	-	-
LGS 6321	113	55.8	-	-
M54GR24	117	56.0	-	-
M59GB57	115	55.1	-	-
M59GB94	103	51.1	-	-
M60GB31	130	52.4	-	-
M60GB88	152	56.4	-	-
M63GB78	121	53.4	-	-
SP251	122	53.0	-	-
SP25C10	106	47.7	-	-
SP31A15	120	50.1	-	-
SP43M80	119	52.5	-	-
SP68M57	131	54.9	-	-
SWGS3183	131	54.7	-	-
Average	115	52.4	-	-
LSD(0.05)†	22	2.8	-	-
C.V.%‡	12	3.0	-	-

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

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