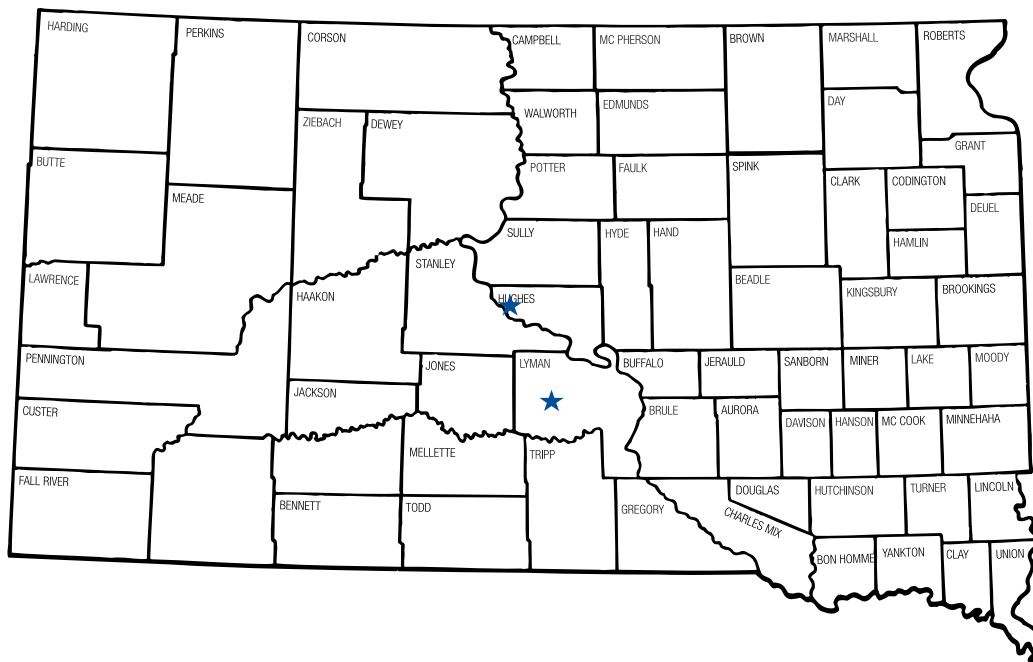


# 2019 South Dakota Sorghum Hybrid Trial Results Pierre

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**Central trial locations:** Kennebec and Pierre

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Table 1. List of sorghum hybrids tested in 2019 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:
GX17912	Dyna-Gro	E	59	C	SO	C, E, I
M57GB19	Dyna-Gro	E	57	B	SO	C, E
GX18919	Dyna-Gro	E	57	C	SO	C, E, I
M60GB88	Dyna-Gro	M/E	60	B	SO	C, E
M59GB57	Dyna-Gro	E	59	B	SO	--
M60GB31	Dyna-Gro	M/E	60	B	SO	C, E, I, K
M54GR24	Dyna-Gro	E	54	R	SO	C & E
M62GB77	Dyna-Gro	M	62	B	SO	C, E, I
GX19520	Dyna-Gro	E	60	B	SO	C, E, I
M57GC29	Dyna-Gro	E	57	C	SO	C & E
DKS28-05	Bayer (Dekalb)	E	57	B	SC	--
DKS29-07	Bayer (Dekalb)	E	59	C	I	--
2730B	Golden Acres	M/E	58	B	SO	--
2620C	Golden Acres	M/E	58	C	SO	--
2840B	Golden Acres	M/E	62	B	SO	--
3020B	Golden Acres	M	69	B	SO	--
88P71	Pioneer	M/E	60	R	SC	--
87P10	Pioneer	M	63	R	SC	--
SP 25C10	Sorghum Partners	E	51	C	SC	--
SP 31A15	Sorghum Partners	M/E	57	B	SC	--
SP 33S40	Sorghum Partners	M/E	58	C	SC	--
SP 43M80	Sorghum Partners	M/E	60	B	SO	--
SP 68M57	Sorghum Partners	M/E	68	B	SC	--
AS 212	Arrow Seed	E	51	B	SO	--
AS 248FG	Arrow Seed	M/E	59	W	SO	--
LGS 5001	Legend Seeds	E	50	B	SO	--
LGS 5002	Legend Seeds	E	52	R	SO	C & E
LGS 5508W	Legend Seeds	M/E	58	W	SO	C & E
LGS 5808	Legend Seeds	M/E	58	R	SC	C & E
GS-855	Seed Exchange	E	52	R	SO	--
GS-750	Seed Exchange	E	57	C	SO	C & E
AG 1101	Advanta Seeds	E	55	R	SC	--
ADV G1150	Advanta Seeds	--	--	--	--	--
AG 1201	Advanta Seeds	E	60	B	SC	--
ADV XG629	Advanta Seeds	E	58	C	SC	--
ADV XG9127	Advanta Seeds	--	--	--	--	--

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

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

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

Table 2. 2019 sorghum hybrid performance trial results for testing sites in Pierre, South Dakota. Varieties ranking in the top 1/3 of each trial category are shaded light blue.

Variety	2019	2-year	3-year
	Yield (bu/a)	Yield (bu/a)	Yield (bu/a)
2620C	139	-	-
2730B	132	-	-
2840B	140	-	-
3020B	137	-	-
ADV G1150	113	-	-
ADV XG629	129	110	-
ADV XG9127	137	-	-
AG 1101	119	93	90
AG 1201	135	114	115
AS 212	126	105	-
AS 248 FG	111	-	-
DKS28-05	139	117	-
DKS29-07	122	106	-
GS-750	119	106	-
GS-855	133	-	-
GX17912	127	109	-
GX18919	132	110	-
GX19520	125	-	-
LGS 5001	124	95	95
LGS 5002	120	97	-
LGS 5508W	110	100	95
LGS 5808	135	112	113
M54GR24	128	-	-
M57GB19	141	-	-
M57GC29	124	-	-
M59GB57	128	114	-
M60GB31	153	131	-
M60GB88	137	114	-
M62GB77	142	-	-
Pioneer 87P10	129	-	-
Pioneer 88P71	136	-	-
SP 25C10	110	-	-
SP 31A15	132	107	105
SP 33S40	122	-	-
SP 43M80	132	-	-
SP 68M57	134	113	-
Trial Average#	129	109	102
LSD(0.05)†	18	10	13
C.V.%‡	8	-	-

# 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 acceptable.