Table 4. Performance and characteristics of transgenic, conventional and special-purpose soybean entries evaluated in the southern zone. Trial was conducted in Waseca, Lamberton and Rosemount.

Entry	Originator	Mat. Rating	Mat. Date	Yield % of Mean		% of Mean		Seeds/ lb	Hilum Color	Phyto. Gene	Chloro-sis Score	SCN Rating	Seed Treat.	Trans. Trait
				2021	2022	Protein	Oil							
MK41	Richland IFC	1.1	9/13	77	88	106	96	2185	Yellow	S	2.5	MR	None	CV
DSR-1290E	Dairyland Seed	1.2	9/21	-	93	99	104	2367	Imperfect Black	S	2.5	R	LI	E3
M13-250046	Minnesota AES	1.6	9/21	-	91	100	101	2444	Buff	Rps1c	2.3	R	None	CV
MN1807CN	Minnesota AES	1.8	9/22	-	93	100	99	2568	Buff	S	2.3	R	None	CV
XO 1451E	BASF	1.4	9/23	-	103	100	105	2484	Imperfect Black	Rps1k	2.5	R	OPVRI	E3
DSR-1505E	Dairyland Seed	1.5	9/23	-	96	106	94	2612	Brown	Rps1k	2.0	R	LI	E3
A172E3	Anderson Seeds	1.7	9/24	-	100	99	102	2658	Buff	Rps1k	3.5	R	None	E3
XO 1372E	BASF	1.3	9/24	98	94	99	102	2114	Imperfect Black	S	2.8	R	OPVRI	E3
O.1718N	Albert Lea Seed House / Viking Seed	1.7	9/24	102	102	98	101	2568	Brown	Rps1k	2.5	MR	None	CV
M13-266011	Minnesota AES	1.6	9/24	-	94	104	97	2239	Yellow	S	2.8	R	None	CV
A151E3	Anderson Seeds	1.5	9/25	104	99	101	101	2418	Buff	Rps1k+Rps3a	3.3	MR	None	E3
XO 1632E	BASF	1.6	9/25	106	104	101	101	2307	Buff	Rps1k+Rps3a	3.0	R	OPVRI	E3
XO 1822E	BASF	1.8	9/25	103	107	100	100	2367	Buff	Rps1k+Rps3a	3.0	R	OPVRI	E3
SVX21T2S27	Sevita International	2.0	9/25	-	98	103	93	2319	Yellow	Rps1c	3.3	R	FVM	CV
A1821XF	Anderson Seeds	1.8	9/26	105	107	98	99	2484	Buff	S	2.0	MR	None	XF
XO 1761E	BASF	1.7	9/26	101	95	102	100	2284	Imperfect Black	Rps1k	3.3	R	OPVRI	E3
MN1901CN	Minnesota AES	1.9	9/26	-	93	98	106	2457	Imperfect Black	S	3.0	R	None	CV
A200E3	Anderson Seeds	2.0	9/27	114	108	98	101	2405	Imperfect Black	Rps1k	2.5	MR	None	E3
XO 1971E	BASF	1.9	9/27	99	102	99	98	2154	Imperfect Black	S	2.3	R	OPVRI	E3
DSR-1919E	Dairyland Seed	1.9	9/27	-	110	93	105	2583	Black	Rps1k	2.3	R	LI	E3
V2122	GDM Seeds	2.1	9/27	-	108	99	102	2134	Brown	Rps1k+Rps3a	3.3	S	CMVC	CV
Candor	Sevita International	1.9	9/27	-	83	108	93	1871	Yellow	Rps1k+Rps3a	4.0	S	FVM	CV
A182E3	Anderson Seeds	1.8	9/28	-	105	99	101	2331	Black	Rps1k	3.0	MR	None	E3
O.2244AT	Albert Lea Seed House / Viking Seed	2.2	9/28	99	89	101	96	2175	Mixed	S	1.8	MR	None	CV
MK373	Richland IFC	2.0	9/28	69	83	104	92	2029	Yellow	S	2.4	S	None	CV
AG19XF3	Bayer Crop Science - Asgrow	1.9	9/28	-	104	101	101	2250	Brown	Rps1c	1.8	R	AC	XF
XO 2181E	BASF	2.1	9/29	100	103	98	103	2484	Imperfect Black	Rps1k	2.5	R	OPVRI	E3
2022N	Albert Lea Seed House / Viking Seed	2.0	9/29	-	111	96	100	2405	Black	Rps1k	3.8	MR	None	CV
AG21XF3	Bayer Crop Science - Asgrow	2.1	9/29	-	102	101	97	2261	Brown	Rps3a	3.5	R	AC	XF
AG22XF3	Bayer Crop Science - Asgrow	2.2	9/29	-	103	102	98	2392	Brown	Rps1c	4.3	R	AC	XF
DSR-2188E	Dairyland Seed	2.1	9/30	-	107	97	110	2597	Brown	Rps1k	3.0	R	LI	E3
2340KN	Albert Lea Seed House / Viking Seed	2.3	9/30	100	105	98	101	2457	Buff	Rps1k	1.8	R	None	CV
A2121XF	Anderson Seeds	2.0	10/01	107	107	104	99	2431	Imperfect Black	Rps1k+Rps3a	2.5	MR	None	XF
XO 2323E	BASF	2.3	10/01	-	106	99	101	2470	Black	Rps1c	2.3	R	OPVRI	E3
XO 2282E	BASF	2.2	10/01	-	102	98	101	2367	Buff	S	2.8	R	OPVRI	E3
XO 2472E	BASF	2.4	10/02	-	102	95	108	2539	Buff	Rps1k	3.8	R	OPVRI	E3
2155N	Albert Lea Seed House / Viking Seed	2.1	10/02	107	95	99	96	2498	Brown	S	2.5	S	None	CV
V2423	GDM Seeds	2.4	10/02	-	102	100	101	2307	Brown	Rps1k	2.3	MR	CMVC	CV
2418N	Albert Lea Seed House / Viking Seed	2.4	10/04	116	106	100	95	2343	Black	Rps1c	2.5	MR	None	CV
Mean			**9/27**	**65 bu/a**	**82 bu/a**	**34%**	**19%**	**2374**			**2.8**			
LSD 25%			**1d**	**3%**	**3%**	**2%**	**2%**	**113.6**			**1.0**			

LSD numbers beneath yield columns indicate whether the difference between yield is due to genetics or other factors, such as variations in environment.
If a yield difference between two entries equals or exceeds the LSD value, the higher yielding entry probably was superior in yield.
A difference less than the LSD value is likely due to environmental factors.
Maturity date data collected from Waseca and Rosemount.