

Appendix 1. Summary of SCN reactions for entries in the Kansas Soybean Performance tests from 2019 through 2021.

BRAND	NAME	2021 SCN Female Index*			2020 SCN Female Index*			2019 SCN Female Index		
		Race 1 (HG Type 2.5.7)	Race 3 (HG Type 7)	Race 4 (HG Type 1.2.3.5.6.7)	Race 1 (HG Type 2.5.7)	Race 3 (HG Type 7)	Race 4 (HG Type 1.2.3.5.6.7)	Race 1 (HG Type 2.5.7)	Race 3 (HG Type 7)	Race 4 (HG Type 1.2.3.5.6.7)
ARKANSAS	R15-2422	79	118	80	50	75	52	-	-	-
ARKANSAS	R13-13997	62	13	88	-	-	-	-	-	-
ARKANSAS	R15-1587	118	102	84	-	-	-	-	-	-
ARKANSAS	R16-253	100	100	100	-	-	-	-	-	-
ARKANSAS	UA46i20C	47	141	86	-	-	-	-	-	-
ARKANSAS	UA54i19GT	51	119	84	-	-	-	-	-	-
ASGROW	AS37X71	48	6	30	-	-	-	-	-	-
ASGROW	AS40XFO	38	11	38	-	-	-	-	-	-
BECKS	MG3.7	63	27	84	-	-	-	-	-	-
BECKS	MG4.2	57	27	64	-	-	-	-	-	-
BECKS	MG4.8	29	7	37	-	-	-	-	-	-
BECKS	MG5.1	62	36	64	-	-	-	-	-	-
BIOMINERAL	BIOMINERAL-SO	100	27	78	66	24	48	-	-	-
BIOMINERAL	BIOMINERAL-SS	79	17	64	-	-	-	-	-	-
BIOMINERAL	BIOMINERAL-SY	62	18	61	68	46	75	-	-	-
CHECK	21MG3.1	71	38	81	60	11	31	40	9	44
CHECK	21MG3.9	63	33	82	50	20	45	40	32	49
CHECK	21MG4.8	75	38	78	53	30	42	30	5	1
DONMARIO	DM36F62S	52	39	56	-	-	-	-	-	-
DONMARIO	DM38F42S	52	15	48	-	-	-	-	-	-
DONMARIO	DM40E62	80	55	61	-	-	-	-	-	-
DONMARIO	DM42F62	47	43	60	-	-	-	-	-	-
DONMARIO	DM46E62	125	77	90	-	-	-	-	-	-
DONMARIO	DM46F62	56	34	58	-	-	-	-	-	-
KANSAS AES	K15-1809	55	43	68	32	17	51	43	11	46
KANSAS AES	K15-1874	13	1	100	19	7	44	23	2	55
KANSAS AES	K16-1729	82	29	43	58	32	33	-	-	-
KANSAS AES	K17-1532	70	39	64	-	-	-	-	-	-
KANSAS AES	K17-4406	122	119	112	-	-	-	-	-	-
KANSAS AES	K17-4973	47	3	78	-	-	-	-	-	-
KANSAS AES	K17-6185	83	22	65	-	-	-	-	-	-
KANSAS AES	K17-6326	65	11	46	-	-	-	-	-	-

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KANSAS AES	K17-6388	57	37	78	-	-	-	-	-	-
KANSAS AES	K17-6484	58	15	66	-	-	-	-	-	-
KANSAS AES	K179236-1 GT	124	48	74	-	-	-	-	-	-
KANSAS AES	K179247-8 GT	86	99	76	-	-	-	-	-	-
KANSAS AES	K179248-1 GT	92	88	88	-	-	-	-	-	-
KANSAS AES	K18-6756 GT	72	37	59	-	-	-	-	-	-
KANSAS AES	K18-6776 GT	85	70	77	-	-	-	-	-	-
KANSAS AES	K18-6777 GT	48	29	54	-	-	-	-	-	-
KANSAS AES	K18-6782 GT	67	37	62	-	-	-	-	-	-
KANSAS AES	K18-6805 GT	66	72	64	-	-	-	-	-	-
KANSAS AES	K18-6812 GT	64	21	68	-	-	-	-	-	-
KANSAS AES	K18-6860 GT	65	38	75	-	-	-	-	-	-
KANSAS AES	K18-6882 GT	87	27	58	-	-	-	-	-	-
KANSAS AES	K18-6897 GT	68	66	83	-	-	-	-	-	-
KANSAS AES	K18-6903 GT	75	8	54	-	-	-	-	-	-
KANSAS AES	K18-6908 GT	119	52	81	-	-	-	-	-	-
KANSAS AES	K18-6974 GT	105	124	71	-	-	-	-	-	-
KANSAS AES	K18-6996 GT	63	28	56	-	-	-	-	-	-
KANSAS AES	K18-7024 GT	71	114	87	-	-	-	-	-	-
KANSAS AES	K18-7069 GT	2	0	68	-	-	-	-	-	-
KANSAS AES	KS4117Ns	26	51	57	49	45	43	65	14	51
KANSAS AES	KS4120NSGT	37	30	63	30	25	57	53	18	57
KANSAS AES	KS4520NS	62	44	92	46	36	42	43	11	46
KANSAS AES	KS4919N	11	91	21	16	55	60	48	13	8
KANSAS AES	KS5120NS	18	49	21	27	63	47	51	20	21
MIDLAND	4412E3S	36	47	83	-	-	-	-	-	-
MIDLAND	4602E3S	85	128	80	-	-	-	-	-	-
MIDLAND	4621XFS	71	29	64	-	-	-	-	-	-
MIDLAND	4677NXS	82	65	63	54	46	54	54	18	35
MIDLAND	4821XFS	53	60	86	-	-	-	-	-	-
MIDLAND	4880E3S	103	170	99	90	110	63	-	-	-
MIDLAND	4922XFS	86	84	85	-	-	-	-	-	-

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MISSOURI	S09-13608C	70	99	79	-	-	-	-	-	-
MISSOURI	S16-11644C	26	109	63	26	59	28	-	-	-
MISSOURI	S16-14801C	54	143	83	-	-	-	-	-	-
NK	39-62X	58	42	28	-	-	-	-	-	-
NK	39-82X	43	9	48	-	-	-	-	-	-
VIRTUE SEEDS	V 4520S	65	110	67	58	71	50	-	-	-
VIRTUE SEEDS	V 4921S	128	161	84	52	65	65	-	-	-
VIRTUE SEEDS	V4122S	78	119	93	-	-	-	-	-	-
VIRTUE SEEDS	V4720S	63	134	78	-	-	-	-	-	-
WILLCROSS	WX1038NGT/LL	54	28	49	-	-	-	42	9	21
WILLCROSS	WX1748NLL	61	9	57	-	-	-	51	13	20
WILLCROSS	WX1839NLL	63	11	53	-	-	-	-	-	-
WILLCROSS	WXE8038NS	44	33	57	-	-	-	42	5	34
WILLCROSS	WXE8043NS	43	36	29	-	-	-	69	17	24
WILLCROSS	WXE8146NS	69	35	82	-	-	-	-	-	-
WILLCROSS	WXE8148NS	32	6	31	-	-	-	-	-	-
WILLCROSS	WXR7878NS	8	19	53	-	-	-	53	5	28
AVERAGE		54	68	65	48	45	49	55	25	43
CV		40	27	44	55	49	51	57	80	33
LSD		35	29	46	36	30	34	52	34	25
No. of Reps		3	3	3	3	3	3	3	3	3

* SCN Female Index = Soybean Cyst Nematode female index, where the female index (FI) = (mean # of cysts on tested variety/mean # of cysts on susceptible checks) x 100. A low FI (<10) means that the SCN population was not able to reproduce well on the differential line, and a high FI means that the SCN population was able to reproduce well. Reproduction rates were measured on plants grown in the greenhouse.