

2019 Rossville, Kansas Irrigated Soybean Performance Test, Shawnee County

RANK	BRAND	NAME	YIELD (bu/a)	PAVG (%)	LDG (score 1-9)	HT (in)	AUDC** (SDS rating)
1	WILLCROSS	WXE8043NS	76.3	122%	2	37.5	111
2	MIDLAND	3930NXS	74.6	119%	1.5	41.5	44
3	MORSOY	MS 4426 RXT	73.8	118%	3.8	39	405
4	MORSOY	MS 4706 RXT	69.2	111%	4	46	535
5	WILLCROSS	WX1038NGT/LL	69	110%	3	40.5	471
6	MIDLAND	4488NXS	68.6	110%	3	39.5	120
7	PHILLIPS	387 NR2X	68.4	110%	2	40.5	241
8	ASGROW	AG35x9	67.7	108%	2	36	122
9	WILLCROSS	WXX3386N	67.4	108%	1.5	39.5	159
10	KANSAS AES	K15-1283	66.9	107%	2.5	34.5	160
11	ASGROW	AG41x8	66.2	106%	1.5	35	30
12	MISSOURI	S13-3851C	65.7	105%	2.3	39	35
13	MISSOURI	S14-15138R	65.7	105%	2.5	36	42
14	KANSAS AES	KS4117Ns	65.1	104%	1.3	31	121
15	MORSOY	MS 4846 RXT	65	104%	2.8	39.5	159
16	GOLDEN HARVEST	4628	64.4	103%	1.8	37.5	225
17	MORSOY	MS 3907 RXT	64.4	103%	1.8	36	374
18	MIDLAND	4328NX	63.9	102%	1.5	40	55
19	CHECK	19MG3.1	63.4	102%	1.5	31.5	137
20	MIDLAND	4140NXS	62.3	100%	2.3	38.5	294
21	KANSAS AES	K4117Nsgr	62.2	100%	1.8	32.5	425
22	PHILLIPS	379 NR2XSE	62.1	100%	1.3	38	726
23	ASGROW	AG35x9	61.8	99%	2	28	240
24	WILLCROSS	WXE8038NS	61	98%	1	33	183
26	PHILLIPS	408 NR2XS	59.8	96%	1.8	34.5	171
25	PHILLIPS	387 NR2X	59.8	96%	2.3	40.5	368
27	CHECK	19MG3.9	59.4	95%	1.8	36	98
28	GOLDEN HARVEST	3934	59.2	95%	2	40.5	83
29	MORSOY	MS 4117 RXT	55.9	90%	2	36.5	203
30	MISSOURI	S14-15146R	55.5	89%	2.8	35.5	798
31	WILLCROSS	WX1441NLL	52.9	85%	1	38	224
32	ASGROW	AG41x8	52.1	83%	1.3	45.5	850
33	PHILLIPS	427 NR2XS	50.1	80%	1.8	39.5	663
34	MISSOURI	S13-2743C	47.5	76%	2.5	37	1257
35	WILLCROSS	WX1046NSGT/LL	39.8	64%	2.8	39.5	1105
		Average	62.5	100	2.1	37.5	321
		CV (%)	8.2	--	--	4.3	--
		LSD (0.1)*	6	--	0.8	2.7	247

*Yields must differ by more than the LSD value to be considered statistically different. **

AUDPC = area under the disease progress curve. This is an assessment of the severity of Soybean Sudden Death Syndrome (SDS) in the plot.

The higher the AUDPC, the more severe the SDS symptoms.