

2024 Topeka, Kansas Dryland Soybean Performance Test, Shawnee County

BRAND	NAME	YIELD (bu/a)	PAVG (%)	DATE (mat)	LDG (score 1-9)	PHT (in)	AUDC** (SDS rating)
GDM	DM36F84S	67.0	106.0	23-Sep-24	2.0	43.0	38
GDM	DM46F54S	57.1	90.0	29-Sep-24	3.0	42.0	365
KANSAS AES	K18-1247	63.4	100.0	28-Sep-24	4.0	39.0	108
KANSAS AES	K18-1396	47.0	74.0	21-Sep-24	4.0	40.0	438
KANSAS AES	K18-1994	63.3	100.0	28-Sep-24	2.0	34.0	321
KANSAS AES	KS4323NS	57.9	91.0	23-Sep-24	4.0	37.0	498
KANSAS AES	KS4423N	52.5	83.0	27-Sep-24	2.0	36.0	503
KANSAS AES	KS4520NS	60.3	95.0	28-Sep-24	4.0	34.0	251
PIONEER CHECK	RM3.3	72.6	115.0	22-Sep-24	2.0	37.0	198
PIONEER CHECK	RM4.1	61.3	97.0	27-Sep-24	4.0	44.0	18
	Average	63.3	100.0	24-Sep-24	3.0	38.5	216
	C.V.	7.3	--	--	16.6	7.3	50
	LSD	5.5	--	--	0.6	5.0	128
	Heritability	0.7	--	--	0.7	0.4	1

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

**AUDPC= area under the disease pressure curve. This is an assessment of the severity of Sudden Death Syndrome (SDS) in the plot. The higher the AUDPC, the more severe the SDS symptoms.

Kansas River Valley Experiment Field, Rossville

Planted 5/14/2024

Harvest 10/7/2024

Applied Pre-herbicide: Authority Supreme (6.5 oz) + Parallel (metulachlor @1.5 pt) + Torment (imazethapyr + fomesafen @1 pt) + Array; Applied post-herbicide: Anthem Maxx (3.25 oz) +

Herbicide Pursuit (4 oz) + FirstRate (0.3 oz) + NIS

Total seasonal precipitation: 21.88 inches

2024 Topeka, Kansas Irrigated Soybean Performance Test, Shawnee County

BRAND	NAME	YIELD (bu/a)	PAVG (%)	DATE (mat)	LDG (score 1-9)	HT (in)	AUDC** (SDS rating)
GDM	DM36F84S	84.5	106.7	20-Sep-24	1.0	41.5	89
GDM	DM46F54S	78.0	98.4	30-Sep-24	1.8	45.0	718
PIONEER	RM3.3	77.7	98.1	19-Sep-24	1.0	40.0	275
PIONEER	RM4.1	77.1	97.3	25-Sep-24	1.5	45.5	117
	Grand Mean	79.2	100.0	22-Sep-24	1.3	41.7	272
	C.V.	7.6	--	--	--	3.3	77
	LSD	7.3	--	--	0.6	2.6	253

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

Kansas River Valley Experiment Field, Silver Lake

Planted 5/14/2024

Harvest 10/1/2024

Applied Pre-herbicide: Fierce (3 oz) + Mauler (12 oz) + FirstRate (0.3 oz) + Parallel (1.5 pt) + Torment (12 oz); Applied post-herbicide: Anthem Maxx (3.25 oz) + Pursuit (4 oz) + FirstRate

Herbicide (0.3 oz) + NIS

Total seasonal precipitation: 19.28 inches

Total seasonal irrigation: 5.65 inches