

# PRELIMINARY ROUND-UP READY SOYBEAN CYST NEMATODE RESISTANT VARIETY EVALUATIONS, GROUP IV, 2003

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Twenty-five numbered lines and four named cultivars were evaluated for adaptation to Delaware growing conditions and resistance to race 1. Variety evaluations were conducted in Harrington Delaware in a grower's field in Kent County on land known to be infested with an unidentified race of the soybean cyst nematode (SCN). Plots were planted in a sandy loam soil (sand 73 percent, silt 18 percent, and clay 9 percent) with a pH of 6.3 on July 11 following a previous soybean crop. Plots consisted of five rows, 23 feet long, spaced 15 inches apart. The plots were arranged in a randomized, complete block design with four replications. Twenty-one feet of all five rows of each plot were combine harvested on November 24.

The season was very wet. The maturity ratings are the number of days to maturity compared to the standard MPV 457RR. Little lodging was observed. This test is part of a nationwide test of potential RR SCN-resistant varieties being developed by public breeders. It is conducted at 36 locations in 12 states and Canada and supported by the United Soybean Board.

Entry (Group IV)	Yield		Maturity date	Lodging score	Height inches
	bu/a	rank			
MPV 457RR	35.5	23	14-Oct	1	25.0
DKB 38-52 (SCN)	40.5	12	-4	1	21.0
AG4301(SCN)	38.0	17	0	1	23.7
AG4403 (SCN)	34.6	25	0	1	23.7
LD00- 8667	36.8	21	-4	2	22.3
LD00- 9154	43.7	7	-2	2	22.3
LD00-10038	49.1	1	0	2.7	26.7
LD00-10157	43.8	6	-4	2.3	25.0
LD00-10519	42.6	9	-1	2	25.0

LD00-10543	37.3	18	1	1.3	23.7
S02-583CR	33.1	26	7	1.3	26.7
S02-586CR	29.4	28	6	1.3	24.3
S02-723CR	37.0	20	1	3	28.7
S02-728CR	38.0	17	0	3	28.3
S02-739CR	27.1	29	0	2.7	24.3
SS02- 1038	38.9	15	-1	1	26.0
SS02- 3037	39.4	14	0	1	24.3
SS02- 3311	36.1	22	0	1	23.0
SS02- 4805	45.8	3	-1	1	29.7
SS02- 8507	45.1	4	4	1	27.3
SS02- 8516	37.1	19	3	1	24.3
SS02- 8556	38.2	16	-3	1	21.7
SS02- 8589	41.3	10	0	1	22.7
SS02- 8739	34.8	24	-1	1	22.7
SS02-12053	45.8	2	6	2.3	28.0
SS02-12423	32.3	27	-1	2	27.7
SS02-13786	40.5	13	1	2	27.0
SS02-13787	43.1	8	0	1.3	27.0
SS02-14252	44.1	5	0	1	26.7
<b>Average</b>	39			1.6	25.1
<b>LSD (.05)</b>	5.7			0.7	3.4
<b>CV %</b>	8.9			28	8.2