

2001 Minnesota Soybean Variety Trials

Soybean Cyst Nematode Evaluations

Performance and characteristics of soybean cyst nematode infested (Lamberton, Madelia and Waseca) and non-infested (Fairmont, Lambertson, Potsdam and Waseca) sites, 1999-2001.

Variety	Brand or Originator	Maturity date	Yield Percent of Mean						Percent of Mean		Maturity Rating	Phytophthora gene	Chlorosis score	SCN rating
			infested sites			non-infested sites			Protein	Oil				
			99-01	00-01	2001	99-01	00-01	2001						
Freeborn	Minn. AES	9-29	101	96	102	95	91	94	100	101	1.6	Rps1	3.8	R
Parker	Minn. AES	9-29	92	88	91	104	100	107	99	104	1.5	Rps1	4.7	S
1802CN	Northstar	10-1			111			100	100	103	1.8	S	4.1	R
R-1815CNRR	Ramy	10-1			96			93	99	99	1.8	Rps1k	4.2	MR
IA1008	Iowa AES	10-2	98	95	108	101	99	100	98	100	2.0	S	4.3	MS
K-2220+SCN	Kruger	10-2		112	107		104	109	100	99	2.0	Rps1	3.4	MR
PBR 198N	PBR	10-2			102			102	98	101	1.9	Rps1k	4.2	S
1812RR/N	Agripro/Garst	10-2			100			89	103	99	1.7	Rps1k	3.9	MR
1922CN	Viking	10-2			97			102	100	103	1.9	Rps1k	4.3	S
1902-4	Stine	10-3		100	113		96	98	103	103	2.2	S	4.2	MR
K-231RR/SCN	KSC/Challenger	10-3			113			93	101	103	2.1	Rps1c	4.4	MR
XR0120N24	Agripro/Garst	10-3			106			91	102	101	2.0	S	3.7	MR
K-222RR/SCN	Yield King	10-3			97			94	101	100	2.0	S	3.9	R
PBR 1911NRR	PBR	10-3			94			96	102	98	1.9	Rps1k	4.3	R
K-202RR/SCN	KSC/Challenger	10-3			92			90	103	99	1.8	Rps1k	3.6	R
H-1771	Golden Harvest	10-3			88			99	99	101	1.7	S	3.4	R
K-2021 SCN	Kruger	10-3			83			108	99	100	1.8	Rps1k	3.7	S
547RRN Brand	Latham	10-4			117			93	102	102	2.2	Rps1c	3.8	MR
PB-210N	Prairie Brand	10-4		112	112		109	118	101	101	2.1	Rps1	3.7	MR
K-199RR/SCN	KSC/Challenger	10-4			108			97	98	103	1.7	S	3.6	MS
3221NRR	Gold Country	10-4			106			99	101	99	2.1	S	4.0	R
T-3206CN	Thompson	10-4			106			103	96	102	2.0	Rps1k	4.4	MS
T-3178CR	Thompson	10-4			105			96	99	104	1.7	S	3.5	S
DKB20-51	DeKalb	10-4			103			93	98	101	2.0	S	3.7	MR
1892-2	Stine	10-4		108	98		101	107	102	100	1.9	S	3.8	MR
PB-232N	Prairie Brand	10-4			92			110	99	102	2.3	Rps1k	3.7	MR
EX-227RRN	Latham	10-4			92			99	100	99	1.8	S	4.1	S
X11905RR	Golden Harvest	10-4			86			97	99	102	1.9	S	3.8	S
IA2021	Iowa AES	10-4	85	80	84	103	101	107	97	101	2.1	Rps1k	4.3	S
2121NRR	Gold Country	10-5			115			94	101	102	2.1	Rps1c	4.1	MR
2302-4	Stine	10-5			113			99	101	99	2.3	S	4.6	MR
EXP 0619N	Sands	10-5			113			93	101	101	2.0	S	4.1	MR
R-2200CN	Ramy	10-5			112			106	98	99	2.2	S	4.0	MR
PB-2220NRR	Prairie Brand	10-5			111			106	103	101	2.2	Rps1c	4.4	MR
T-3236CN	Thompson	10-5	112	107	110	99	96	96	100	100	2.3	S	4.2	MR

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Soybean Cyst Nematode Evaluations (page 2)

Variety	Brand or Originator	Maturity date	Yield Percent of Mean						Percent of Mean		Maturity Rating	Phytophthora gene	Chlorosis score	SCN rating
			infested sites			non-infested sites			Protein	Oil				
			99-01	00-01	2001	99-01	00-01	2001						
SOI 2221NRR	Sands	10-5			108			98	101	102	2.2	Rps1c	4.3	MS
K-232RR/SCN	Yield King	10-5			106			97	99	101	2.1	S	3.7	MS
GL1709RR	Great Lakes	10-5			105			103	96	103	1.7	S	3.7	MR
Turner	S.D. AES	10-5	104	100	103	96	94	93	97	102	2.2	S	3.7	MR
PB-1809NRR	Prairie Brand	10-5			101			101	99	101	1.8	S	3.7	MR
SOI 1871NRR	Sands	10-5			99			93	99	101	1.8	S	3.3	MS
92B62	Pioneer	10-5			97			97	103	95	2.6	S	3.9	R
2234CRR	Northstar	10-5		99	95		93	98	98	102	2.0	S	3.7	S
H-2348RR-2	Golden Harvest	10-5			93			101	99	102	2.3	S	3.8	S
K-2323 SCN	KSC/Challenger	10-5			91			106	101	98	2.1	S	4.2	S
2112RR/N	Agripro/Garst	10-6			97			84	100	97	2.1	S	3.9	MR
IA2036	Iowa AES	10-6	98	96	89	97	96	94	101	95	2.1	S	3.8	MR
K-262RR/SCN	Yield King	10-8			87			102	97	98	2.5	Rps1c	4.0	MR
K-2434 SCN	Kruger	10-8			79			98	104	96	2.1	Rps1k	3.1	S
K-266RR/SCN	Yield King	10-10			68			72	103	94	2.5	S	4.2	MR
MEAN			41.7	43.2	34.4	51.6	54.1	49.5	34.2	18.7				
			bu/a	bu/a	bu/a	bu/a	bu/a	bu/a	%	%				
LSD 20%			2	2	6	2	2	4						