

Company	Variety	Severity	Incidence	Disease Severity
		(0-5)	(%)	Index (0-100)
Agriprogress/Lembke	CH586	1.7	90	32
Agriprogress/Lembke	AP7910	1.7	80	33
Agriprogress/Lembke	AP 7978	2.9	100	58
Agriprogress/Lembke	AP 2227	1.7	93	32
Agriprogress/Lembke	APS 12	2.2	100	44
Bayer Crop Science	EXP. 9060309	1.7	95	33
Bayer Crop Science	EXP. 9060400	1.5	98	29
Bayer Crop Science	EXP. 2050602	1.1	78	18
Bayer Crop Science	EXP. 2050603	2.0	100	40
Bayer Crop Science	EXP. 1040001	2.3	100	45
Bayer Crop Science	EXP. 1040807	1.6	93	31
Bonis & Co.	BC 937-101	2.8	100	55
Bonis & Co.	BC 937-104	2.8	98	54
Bonis & Co.	BC 937-140	3.4	100	68
Bonis & Co.	BC S303L	3.5	100	70
Bonis & Co.	BC S305L	2.8	85	52
Bonis & Co.	BC 937-54	2.7	100	55
Bonis & Co.	BC 937-55	2.2	100	45
Bonis & Co.	BC H501R	1.8	90	35
Bonis & Co.	BC H503R	2.5	100	50
Croplan Genetics	HyClass 601	2.6	100	52
Croplan Genetics	Oscar	1.4	83	27
Croplan Genetics	Minot	2.7	95	52
Croplan Genetics	Crosby	2.7	100	53
Croplan Genetics	HyClass 767	2.5	100	50
Croplan Genetics	HyClass 2061	2.3	98	44
Croplan Genetics	HyClass 905	2.2	93	43
Croplan Genetics	HyClass 910	2.4	100	47
Dekalb	SW5207	1.6	98	32
Dow	Nex830CL	1.1	90	20
Dow	Nex824CL	1.3	93	25
Interstate Seeds	Hylite 618 CL	1.2	88	22
Interstate Seeds	Hyola 420	2.5	100	51
Interstate Seeds	Hyola 440	0.9	80	16
Interstate Seeds	Hyola 505 RR	1.2	85	22
Interstate Seeds	SW Marksman	2.3	95	45
Interstate Seeds	SW Patriot	1.4	78	24
Interstate Seeds	SW G5235 RR	1.8	95	35
Interstate Seeds	Hyola 357 Magnum	3.7	100	75
Interstate Seeds	SW PL-7835 RR	1.8	85	33
Interstate Seeds	Z2409 RR	1.6	98	31
Interstate Seeds	SW 5246 RR	1.7	100	34
Interstate Seeds	HyLite 225 RR	2.0	95	39
Monsanto	X402	2.9	100	58
Monsanto	X403	1.2	98	24
Monsanto	X465	1.2	75	21
Monsanto	X500	3.7	100	74

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		(0-5)	(%)	(0-100)
Monsanto	X515	1.3	93	25
Monsanto	X545	1.1	80	18
Monsanto	X555	1.9	95	37
Monsanto	X565	1.4	93	25
Monsanto	X445	0.9	68	14
Monsanto	X505	1.2	85	23
Monsanto	X525	1.0	70	17
Pioneer	45H21	1.7	100	34
Pioneer	46H23	1.6	88	31
Check	AC Excel	2.6	90	50
Check	Defender	1.8	95	35
Check	Q2	1.6	90	29
Check	Westar	3.6	100	73
<i>P > F</i>		0.0001	0.0816	0.0001
LSD 0.01		1.0	NS	23.0
LSD 0.05		0.8	NS	17.0
LSD 0.10		0.7	17.0	15.0
C.V.		28.2	15.7	32.2

Plots were planted on 3 June, 2004 in Langdon, ND

Plots were seeded at a rate of 14 seeds/ft²

Statistical design was a randomized complete block with 4 replications

Plots were evaluated for blackleg on 12 August, 2004

Blackleg Disease Severity was rated by cutting 10 stems per plot and rating on a 0 to 5 scale, where:

0= No penetration or noticeable infection of the stem

1= 1/4 of the stem circumference infected; lesion superficial

2= 1/2 of the stem circumference infected; some penetration

3= 3/4 of the stem circumference infected; significant penetration

4= stem completely girdled, but intact at the base; significant penetration

5= stem girdled at the base, constricted, dry and brittle, may be completely severed; plant dead

Disease Severity index (DSI) was calculated by: (mean disease severity X % incidence)/5