

2014 SCN PRELIM TEST 0

Strain	FPhm	Parentage	Gen. Comp.	SCN res source	Traits
1 Sheyenne	PGy	Pioneer 9071 x A96-492041	F4	none	Rsp1-c
2 MN1410	WGb	Unknown	F5	none	
3 Surge	PGibl	A86-204022 x Kato	F5	none	
4 MN0095	PGibl	M92-270029 x M93-313135	F5	none	Rps1
5 MN0606CN	WTy	MN0901 x MN0902CN	F4	PI 88788	
6 M08-357081	PTY	M02-383122 x IA1022	F5	PI 88788	
7 M08-357102	PTY	M02-383122 x IA1022	F5	PI 88788	
8 M08-357189	P+WY	M02-383122 x IA1022	F5	PI 88788	
9 M08-359053	PTY	M02-391112 x MN1710CN	F5	PI 88788,209332	
10 M08-359082	WGY	M02-391112 x MN1710CN	F5	PI 88788,209332	
11 M08-362045	WLTbl+gr	MN0606CN x U03-100612	F5	PI 88788	
12 M08-372036	PTY	MN0204SP x MN0806CN	F5	PI 88788	
13 M09-166026	P+Wgr	SIMONIDE x MN0208CN	F5	PI 88788	
14 ND10-3601	WGb	ND03-7566 x [ND03-5441 x LaMoure]	F4	PI 88788	Rps6
15 ND10-3608	WGb	ND03-7566 x [ND03-5441 x LaMoure]	F4	PI 88788	Rps6
16 ND10-3610	WGb	ND03-7566 x [ND03-5441 x LaMoure]	F4	PI 88788	Rps6
17 ND11-16241	PGy	Sheyenne(2) x ND03-7566	F4	PI 88788	
18 ND11-16309	PG+Ty	Sheyenne(2) x ND03-7566	F4	PI 88788	

Entry	IL SCN screening				MN IDC
	HG 0		HG 2.5.7		Danvers
	FI	rating	FI	rating	score
1 Sheyenne	78	NR	104	NR	2.1
2 MN1410	76	NR	101	NR	1.9
3 Surge	81	NR	87	NR	1.8
4 MN0095	63	NR	69	NR	1.8
5 MN0606CN	3	HR	22	R	1.7
6 M08-357081	61	NR	85	NR	2.3
7 M08-357102	33	**	57	LR	2.0
8 M08-357189	39	MR	97	NR	1.9
9 M08-359053	10	R	68	NR	2.0
10 M08-359082	3	HR	27	MR	1.8
11 M08-362045	28	**	21	R	1.7
12 M08-372036	89	NR	86	NR	1.7
13 M09-166026	34	**	84	NR	1.8
14 ND10-3601	4	HR	42	LR	1.9
15 ND10-3608	5	HR	36	MR	1.2
16 ND10-3610	7	HR	50	**	1.9
17 ND11-16241	62	NR	92	NR	2.2
18 ND11-16309	10	R	28	MR	1.5

\*\*rep data too variable to rate

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## Summary

Entry	Yield								Maturity date	Lodging score	Height in.	Seed			
	All		Infested		Non-infested		quality score	weight g/100				protein @13%	oil @13%		
	bu/a	rank	bu/a	rank	bu/a	rank									
1 Shyenenne	34.1	12	35.4	14	30.1	9	925	1.3	26	2.0	15.3	35.3	18.1		
2 MN1410	38.2	6	38.8	8	37.0	1	7	1.3	30	1.4	15.5	34.2	18.0		
3 Surge	31.4	17	32.4	17	28.5	10	3	1.3	24	1.6	17.5	34.9	17.1		
4 MN0095	32.0	16	33.4	16	27.8	11	-10	1.0	22	1.6	13.5	35.5	18.3		
5 MN0606CN	38.4	5	40.4	4	31.5	7	0	1.3	28	1.9	14.6	34.1	17.6		
6 M08-357081	34.0	13	35.9	12	27.7	12	-2	1.3	25	1.6	15.4	34.1	17.2		
7 M08-357102	37.3	9	38.6	9	33.3	5	2	1.5	28	1.9	16.0	35.1	17.7		
8 M08-357189	33.4	14	35.9	13	24.7	18	-4	1.5	24	1.1	14.1	34.3	18.2		
9 M08-359053	36.9	10	37.8	10	34.5	3	-4	1.9	26	1.9	15.9	35.3	17.5		
10 M08-359082	38.5	4	40.2	6	33.1	6	-1	1.6	26	1.6	16.4	33.7	18.2		
11 M08-362045	38.0	7	39.1	7	34.6	2	2	1.8	24	1.4	14.6	34.9	18.5		
12 M08-372036	29.4	18	30.6	18	25.6	15	-3	1.6	25	1.9	13.3	36.3	16.7		
13 M09-166026	32.9	15	33.9	15	30.3	8	-1	1.4	32	2.1	16.4	36.9	17.3		
14 ND10-3601	37.5	8	40.4	4	27.0	14	-4	1.0	24	1.9	15.1	35.3	18.4		
15 ND10-3608	38.9	3	42.6	2	25.5	16	-6	1.0	24	2.4	15.4	35.2	17.6		
16 ND10-3610	39.0	2	42.8	1	24.9	17	-6	1.0	24	2.4	14.8	35.1	17.4		
17 ND11-16241	39.6	1	41.3	3	34.1	4	-4	1.3	27	2.4	14.6	34.3	18.2		
18 ND11-16309	34.6	11	36.7	11	27.3	13	-8	1.4	23	3.0	14.4	35.8	18.0		
Mean	35.8		37.6		29.8		-2.3	1.3	25.4						
LSD(.05)	3.6		4.0		10.5		2.0	0.2	2.7						
C.V. %	13.7		13.1		16.7		11.0	13.6	9.0						

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## Yield (bu/a)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	15.3	37.1	28.0	63.9	30.1
2 MN1410	17.5	45.9	29.6	65.1	37.0
3 Surge	15.2	36.9	28.4	51.8	28.5
4 MN0095	16.2	35.1	25.7	59.4	27.8
5 MN0606CN	20.7	47.3	27.3	69.1	31.5
6 M08-357081	18.5	38.5	29.4	59.7	27.7
7 M08-357102	20.3	43.7	35.9	57.2	33.3
8 M08-357189	15.8	38.8	27.2	64.5	24.7
9 M08-359053	15.8	46.3	31.6	60.1	34.5
10 M08-359082	17.6	51.2	36.0	58.8	33.1
11 M08-362045	16.9	49.7	31.2	61.3	34.6
12 M08-372036	15.5	35.8	25.0	49.1	25.6
13 M09-166026	19.3	42.3	25.0	51.6	30.3
14 ND10-3601	23.6	49.6	30.3	60.6	27.0
15 ND10-3608	23.6	51.1	33.5	64.9	25.5
16 ND10-3610	23.8	49.9	34.7	65.5	24.9
17 ND11-16241	20.7	45.5	36.4	65.5	34.1
18 ND11-16309	16.1	43.5	32.1	58.0	27.3
Average	18.5	43.8	30.4	60.3	29.8
LSD(.05)	4.9	7.5	8.6	7.7	10.5
C.V. %	12.3	8.2	13.7	7.9	16.7
Replications	2	2	2	3	2
Row spacing (in.)	30	30	30	30	14

## Yield (rank)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	17	15	13	7	9
2 MN1410	10	8	10	4	1
3 Surge	18	16	12	16	10
4 MN0095	12	18	16	12	11
5 MN0606CN	4	6	14	1	7
6 M08-357081	8	14	11	11	12
7 M08-357102	6	10	3	15	5
8 M08-357189	14	13	15	6	18
9 M08-359053	14	7	7	10	3
10 M08-359082	9	1	2	13	6
11 M08-362045	11	4	8	8	2
12 M08-372036	16	17	17	18	15
13 M09-166026	7	12	17	17	8
14 ND10-3601	2	5	9	9	14
15 ND10-3608	2	2	5	5	16
16 ND10-3610	1	3	4	2	17
17 ND11-16241	4	9	1	2	4
18 ND11-16309	13	11	6	14	13

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**Maturity**

Strain	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
1 Sheyenne	9/22	9/26	9/23	9/27	9/27
2 MN1410	6	4	7	4	12
3 Surge	5	4	4	0	4
4 MN0095	-10	-10	-11	-12	-8
5 MN0606CN	4	-2	-1	-1	0
6 M08-357081	4	-2	-4	-5	-3
7 M08-357102	5	0	-1	0	5
8 M08-357189	0	-8	-4	-5	-3
9 M08-359053	-1	-8	-4	-6	-1
10 M08-359082	3	-4	-4	-1	2
11 M08-362045	5	2	-1	-1	3
12 M08-372036	4	-8	-2	-6	-1
13 M09-166026	3	-6	-2	-1	1
14 ND10-3601	5	-8	-8	-6	-1
15 ND10-3608	-4	-8	-10	-9	-1
16 ND10-3610	-3	-8	-10	-11	0
17 ND11-16241	-6	-8	-7	0	-1
18 ND11-16309	-9	-10	-9	-9	-4
Planted	5/22	5/30	6/6	5/30	6/6

**Lodging (score)**

Strain	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
1 Sheyenne	1.0	1.0	2.0		1.0
2 MN1410	1.0	1.0	2.0		1.0
3 Surge	1.0	1.0	2.0		1.0
4 MN0095	1.0	1.0	1.0		1.0
5 MN0606CN	1.0	1.0	2.0		1.3
6 M08-357081	1.0	1.0	2.0		1.0
7 M08-357102	2.0	1.0	2.0		1.0
8 M08-357189	1.0	2.0	2.0		1.0
9 M08-359053	1.0	3.0	2.0		1.5
10 M08-359082	1.0	2.0	2.0		1.3
11 M08-362045	1.0	3.0	2.0		1.0
12 M08-372036	1.0	2.0	2.0		1.3
13 M09-166026	1.0	1.0	2.0		1.5
14 ND10-3601	1.0	1.0	1.0		1.0
15 ND10-3608	1.0	1.0	1.0		1.0
16 ND10-3610	1.0	1.0	1.0		1.0
17 ND11-16241	1.0	1.0	2.0		1.0
18 ND11-16309	1.0	2.0	1.5		1.0

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Height (inches)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	19		25		35
2 MN1410	25		28		38
3 Surge	19		21		32
4 MN0095	15		19		33
5 MN0606CN	23		24		38
6 M08-357081	20		22		33
7 M08-357102	21		25		37
8 M08-357189	16		22		33
9 M08-359053	14		24		39
10 M08-359082	18		27		34
11 M08-362045	21		20		30
12 M08-372036	15		25		35
13 M09-166026	23		29		43
14 ND10-3601	20		21		32
15 ND10-3608	19		22		30
16 ND10-3610	20		22		30
17 ND11-16241	19		26		37
18 ND11-16309	15		22		31

Seed Quality (score)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	4.0	1.0	2.0		1.0
2 MN1410	1.0	1.0	2.0		1.5
3 Surge	1.0	1.0	3.0		1.5
4 MN0095	2.0	1.0	2.0		1.5
5 MN0606CN	3.0	1.0	2.0		1.5
6 M08-357081	2.0	1.0	2.0		1.5
7 M08-357102	3.0	2.0	1.0		1.5
8 M08-357189	1.0	1.0	1.0		1.5
9 M08-359053	2.0	1.0	3.0		1.5
10 M08-359082	1.0	1.0	3.0		1.5
11 M08-362045	1.0	1.0	2.0		1.5
12 M08-372036	3.0	1.0	2.0		1.5
13 M09-166026	3.0	2.0	2.0		1.5
14 ND10-3601	1.0	3.0	2.0		1.5
15 ND10-3608	2.0	3.0	3.0		1.5
16 ND10-3610	1.0	3.0	4.0		1.5
17 ND11-16241	3.0	2.0	3.0		1.5
18 ND11-16309	4.0	2.0	4.0		2.0

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## Seed Weight (g/100)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	14.6	14.9	15.1		16.7
2 MN1410	13.7	15.3	15.1		17.8
3 Surge	16.3	16.8	18.0		18.7
4 MN0095	13.7	13.6	13.6		13.1
5 MN0606CN	14.7	14.6	13.8		15.3
6 M08-357081	15.2	15.0	14.8		16.4
7 M08-357102	14.3	16.3	15.5		17.9
8 M08-357189	13.4	14.3	13.8		14.8
9 M08-359053	14.6	16.2	15.3		17.4
10 M08-359082	16.0	16.2	15.2		18.0
11 M08-362045	13.4	15.3	13.2		16.4
12 M08-372036	13.9	12.8	12.0		14.3
13 M09-166026	16.2	15.8	16.2		17.3
14 ND10-3601	13.6	16.4	14.9		15.5
15 ND10-3608	14.6	15.9	15.2		16.0
16 ND10-3610	14.5	15.3	14.7		14.8
17 ND11-16241	13.7	14.0	14.8		15.8
18 ND11-16309	14.0	15.7	13.2		14.6

## Protein (%)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	34.6	35.9	35.2		35.3
2 MN1410	33.0	35.9	32.0		36.0
3 Surge	34.1	35.8	33.4		36.3
4 MN0095	35.2	35.8	33.7		37.1
5 MN0606CN	34.5	34.0	32.4		35.7
6 M08-357081	34.8	33.8	32.6		35.2
7 M08-357102	35.3	36.1	33.6		35.3
8 M08-357189	34.8	35.7	32.0		34.7
9 M08-359053	35.5	35.8	33.7		36.2
10 M08-359082	33.6	34.6	32.0		34.5
11 M08-362045	34.4	35.3	34.4		35.4
12 M08-372036	34.2	37.2	34.8		38.8
13 M09-166026	37.6	36.8	36.1		36.9
14 ND10-3601	33.4	35.6	36.4		35.6
15 ND10-3608	34.0	36.3	35.2		35.3
16 ND10-3610	34.5	35.8	34.4		35.6
17 ND11-16241	34.1	33.4	34.2		35.6
18 ND11-16309	35.7	37.3	33.9		36.4

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Oil (%)

SCN HG Type	Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
	MN	MN	MN	ND	ON
	I	2.5.7	2.5.7	2.5.7	NI
Strain					
1 Sheyenne	17.6	17.1	19.0		18.8
2 MN1410	16.9	18.4	18.0		18.6
3 Surge	17.1	15.7	17.3		18.1
4 MN0095	16.7	19.4	18.8		18.3
5 MN0606CN	15.8	17.9	18.0		18.7
6 M08-357081	15.3	16.5	18.1		18.8
7 M08-357102	17.0	17.9	17.2		18.5
8 M08-357189	17.1	18.1	18.6		19.1
9 M08-359053	17.0	17.5	16.9		18.7
10 M08-359082	17.1	17.4	18.8		19.3
11 M08-362045	16.9	19.3	18.5		19.1
12 M08-372036	16.8	14.8	17.5		17.7
13 M09-166026	15.8	17.9	17.2		18.1
14 ND10-3601	16.7	19.1	18.5		19.1
15 ND10-3608	16.5	18.4	17.3		18.0
16 ND10-3610	17.2	17.0	16.5		18.9
17 ND11-16241	17.0	18.9	17.9		18.8
18 ND11-16309	17.0	18.5	17.9		18.6