

2015 SCN PRELIM TEST 0

Strain	FPhlm	Parentage	Gen. Comp.	SCN res source	Traits
1 Sheyenne	PGy	Pioneer 9071 x A96-492041	F4	none	Rsp1-c
2 MN1410	WGbf	Unknown	F5	none	
3 MN0095	PGibl	M92-270029 x M93-313135	F5	none	Rps1
4 MN0606CN	WTy	MN0901 x MN0902CN	F4	PI 88788	
5 M09-269045	Pty	MN0908CN x LD02-4485	F5	PI 88788,209332	
6 M09-274009	P+WTy	MN0208CN x LD02-4485	F5	PI 88788	
7 M09-274025	PGbf	MN0208CN x LD02-4485	F5	PI 88788	
8 M09-277002	WGbf	LD04-8782 x IA1022	F5	PI 88788	
9 ND09-5798	PTY	ND03-7267 x Sheyenne	F4	PI 88788	Rps6
10 ND11-16223	PGy	Sheyenne(2) x ND03-7566	F4	PI 88788	Rps1c
11 ND11-16225	PGy	Sheyenne(2) x ND03-7566	F4	PI 88788	Rps1c
12 ND11-16241	PGy	Sheyenne(2) x ND03-7566	F4	PI 88788	Rps1c
13 ND11-19471	PGy	Sheyenne x ND04-12689	F4	PI 88788	Rps1c
14 ND11-19483	PGy	Sheyenne x ND04-12689	F4	PI 88788	Rps1c
15 OAC 13-86C-SCN	PTbr	SC Starfield (SCN) x OAC Wallace	F4	PI 88788	

Entry	IL SCN screening				MN IDC
	HG 0		HG 2.5.7		Danvers
	FI (Lee 74)	rating	FI (Lee 74)	rating	score
1 Sheyenne	81	NR	62	NR	3.0
2 MN1410	75	NR	55	LR	4.0
3 MN0095	25	MR	40	LR	2.0
4 MN0606CN	6	HR	22	R	4.0
5 M09-269045	7	HR	14	R	3.5
6 M09-274009	60	NR	38	MR	3.0
7 M09-274025	69	NR	75	NR	2.3
8 M09-277002	62	NR	48	LR	2.8
9 ND09-5798	79	NR	92	NR	2.5
10 ND11-16223	89	NR	61	NR	3.0
11 ND11-16225	71	NR	82	NR	4.0
12 ND11-16241	75	NR	84	NR	4.0
13 ND11-19471	83	NR	55	LR	3.8
14 ND11-19483	84	NR	50	LR	3.0
15 OAC 13-86C-SCN	3	HR	56	LR	4.3

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 Sheyenne	29.4	14	28.7	14	33.3	10	9/15	1.4	32	1.4	14.5	35.1	18.2	
2 MN1410	34.1	3	32.7	4	41.6	3	7	1.7	31	1.6	14.8	36.4	18.0	
3 MN0095	31.2	8	31.7	7	29.0	14	-4	1.5	27	1.6	11.7	36.0	18.5	
4 MN0606CN	36.9	1	36.4	1	39.4	6	4	1.7	32	1.6	14.1	35.3	18.4	
5 M09-269045	34.7	2	33.1	3	43.0	1	3	1.6	33	2.0	13.9	35.9	18.2	
6 M09-274009	29.2	15	29.9	12	25.7	15	3	1.5	33	1.4	13.8	36.3	17.4	
7 M09-274025	33.8	4	34.2	2	32.4	12	-2	1.4	27	1.4	15.2	36.1	18.6	
8 M09-277002	30.7	11	29.0	13	39.4	6	8	1.7	32	1.6	19.8	38.2	18.1	
9 ND09-5798	31.0	9	30.1	10	36.0	8	2	1.2	28	1.8	14.7	34.6	18.9	
10 ND11-16223	30.2	13	30.1	10	30.7	13	2	1.3	31	1.8	13.4	34.6	18.2	
11 ND11-16225	30.7	11	28.7	14	41.3	4	1	1.3	32	1.6	14.4	34.6	18.5	
12 ND11-16241	31.7	7	30.2	9	39.6	5	1	1.5	32	1.5	13.1	35.5	18.4	
13 ND11-19471	32.2	6	31.9	6	34.2	9	-1	1.4	33	1.8	12.8	34.6	18.6	
14 ND11-19483	33.7	5	31.9	5	43.0	1	1	1.6	32	1.6	13.9	34.7	18.6	
15 OAC 13-86C-SCN	30.9	10	30.6	8	32.6	11	2	1.5	30	1.9	17.1	34.9	18.5	
Mean	32.0		31.3		36.1		16.8	1.5	31.0	1.6	14.5	35.5	18.3	
LSD(.05)	3.6		3.4		9.2		1.0	0.2	2.6					
C.V. %	17.0		15.2		12.0		8.8	22.5	8.5					
Replications	14		15		2		14	12	8					

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Yield (bu/a)

Strain	Yield (bu/a)					
	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
SCN HG Type	Inf	1,2,5,7	2,5,7	0	7	NI
1 Shyenne	57.6	19.4	26.9	12.5	30.5	33.3
2 MN1410	51.5	19.4	36.9	15.4	37.3	41.6
3 MN0095	50.8	19.1	37.7	14.6	32.8	29.0
4 MN0606CN	53.3	30.7	27.4	26.4	45.2	39.4
5 M09-269045	46.9	30.8	29.0	19.7	39.5	43.0
6 M09-274009	52.4	28.4	29.2	13.2	28.3	25.7
7 M09-274025	59.3	26.7	38.2	11.5	28.3	32.4
8 M09-277002	52.6	21.3	32.6	11.9	26.7	39.4
9 ND09-5798	53.0	23.9	37.2	12.6	27.7	36.0
10 ND11-16223	50.9	20.6	36.1	12.3	30.6	30.7
11 ND11-16225	49.2	21.3	26.9	12.2	33.9	41.3
12 ND11-16241	50.3	22.6	36.6	13.7	27.8	39.6
13 ND11-19471	52.8	26.6	36.3	11.8	31.8	34.2
14 ND11-19483	53.2	22.6	33.1	14.0	36.8	43.0
15 OAC 13-86C-SCN	48.8	30.2	30.3	13.3	34.9	32.6
Average	52.2	23.8	33.0	14.3	32.8	36.1
LSD(2-sided,.05)	15.3	7.9	15.5	4.6	6.2	9.2
C.V. %	13.7	15.2	22.0	19.3	11.3	11.9
Replications	3	3	3	3	3	2
Row spacing (in.)	30	30	30	30	30	14

Yield (rank)

Strain	Yield (rank)					
	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
SCN HG Type	Inf	1,2,5,7	2,5,7	0	7	NI
1 Shyenne	2	13	14	10	10	10
2 MN1410	9	13	4	3	3	3
3 MN0095	11	15	2	4	7	14
4 MN0606CN	3	2	13	1	1	6
5 M09-269045	15	1	12	2	2	1
6 M09-274009	8	4	11	8	11	15
7 M09-274025	1	5	1	15	2	12
8 M09-277002	7	10	9	13	15	6
9 ND09-5798	5	7	3	9	14	8
10 ND11-16223	10	12	7	11	9	13
11 ND11-16225	13	10	15	12	6	4
12 ND11-16241	12	8	5	6	13	5
13 ND11-19471	6	6	6	14	8	9
14 ND11-19483	4	8	8	5	4	1
15 OAC 13-86C-SCN	14	3	10	7	5	11

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Maturity

Strain	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
	Inf	1.2.5.7	2.5.7	0	7	NI
1 Sheyenne	9/23	9/12	9/15	9/13	9/14	9/17
2 MN1410	3	2	11	11	7	6
3 MN0095	-9	2	-4	-5	-8	-2
4 MN0606CN	-1	4	8	7	5	4
5 M09-269045	-1	6	5	7	0	2
6 M09-274009	-1	4	5	7	2	2
7 M09-274025	-8	0	-1	1	-1	-1
8 M09-277002	3	2	11	13	10	8
9 ND09-5798	0	3	1	3	2	0
10 ND11-16223	1	3	1	4	1	0
11 ND11-16225	-1	4	1	2	1	1
12 ND11-16241	0	4	-1	1	1	-1
13 ND11-19471	-4	2	0	0	0	-4
14 ND11-19483	-2	4	1	0	0	1
15 OAC 13-86C-SCN	0	5	3	2	2	1
Planted	6/02	5/21	6/06	5/23	5/22	5/22

Lodging (score)

Strain	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
	Inf	1.2.5.7	2.5.7	0	7	NI
1 Sheyenne	2.0		2.0	1.0	1.0	1.0
2 MN1410	2.5		3.0	1.0	1.0	1.0
3 MN0095	1.5		3.0	1.0	1.0	1.0
4 MN0606CN	2.5		3.0	1.0	1.0	1.0
5 M09-269045	2.0		3.0	1.0	1.0	1.0
6 M09-274009	2.0		2.5	1.0	1.0	1.0
7 M09-274025	1.5		2.5	1.0	1.0	1.0
8 M09-277002	2.5		3.0	1.0	1.0	1.0
9 ND09-5798	1.5		1.5	1.0	1.0	1.0
10 ND11-16223	1.0		2.5	1.0	1.0	1.0
11 ND11-16225	1.5		2.0	1.0	1.0	1.0
12 ND11-16241	2.5		2.0	1.0	1.0	1.0
13 ND11-19471	1.5		2.5	1.0	1.0	1.0
14 ND11-19483	2.0		3.0	1.0	1.0	1.0
15 OAC 13-86C-SCN	2.0		2.5	1.0	1.0	1.0

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Height (inches)

SCN HG Type	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
Strain	Inf	1.2.5.7	2.5.7	0	7	NI
1 Shyenne	39	25	36			26
2 MN1410	33	25	38			29
3 MN0095	32	24	29			23
4 MN0606CN	32	31	38			27
5 M09-269045	39	31	33			28
6 M09-274009	41	27	36			26
7 M09-274025	32	22	32			24
8 M09-277002	37	24	38			30
9 ND09-5798	35	23	30			26
10 ND11-16223	36	26	36			25
11 ND11-16225	38	25	37			29
12 ND11-16241	39	29	36			24
13 ND11-19471	40	31	36			27
14 ND11-19483	38	27	36			28
15 OAC 13-86C-SCN	33	31	33			25

Seed Quality (score)

SCN HG Type	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
Strain	Inf	1.2.5.7	2.5.7	0	7	NI
1 Shyenne	1.0	2.0	1.0			1.5
2 MN1410	1.0	2.0	2.0			1.5
3 MN0095	1.0	2.0	2.0			1.5
4 MN0606CN	1.0	2.0	2.0			1.5
5 M09-269045	2.0	2.0	2.0			2.0
6 M09-274009	2.0	1.0	1.0			1.5
7 M09-274025	1.0	2.0	1.0			1.5
8 M09-277002	1.0	2.0	2.0			1.5
9 ND09-5798	1.0	2.0	2.0			2.0
10 ND11-16223	2.0	2.0	1.0			2.0
11 ND11-16225	1.0	3.0	1.0			1.5
12 ND11-16241	1.0	2.0	1.0			2.0
13 ND11-19471	1.0	2.0	2.0			2.0
14 ND11-19483	1.0	2.0	2.0			1.5
15 OAC 13-86C-SCN	2.0	2.0	2.0			1.5

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Seed Weight (g/100)

Strain	SCN HG Type					
	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
	Inf	1.2.5.7	2.5.7	0	7	NI
1 Sheyenne	16.4	13.8	12.6			15.2
2 MN1410	16.8	12.8	13.3			16.2
3 MN0095	12.5	11.6	10.2			12.6
4 MN0606CN	14.7	13.7	13.7			14.4
5 M09-269045	15.7	12.9	12.7			14.1
6 M09-274009	15.1	13.4	13.4			13.4
7 M09-274025	15.8	14.3	13.7			16.8
8 M09-277002	22.6	19.3	16.8			20.5
9 ND09-5798	16.0	13.7	13.2			15.7
10 ND11-16223	14.9	12.9	12.7			13.1
11 ND11-16225	16.5	12.7	12.6			15.6
12 ND11-16241	14.1	12.4	12.5			13.5
13 ND11-19471	14.3	12.6	11.9			12.3
14 ND11-19483	16.0	13.5	12.1			14.1
15 OAC 13-86C-SCN	17.1	17.7	16.0			17.7

Protein (%)

Strain	SCN HG Type					
	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
	Inf	1.2.5.7	2.5.7	0	7	NI
1 Sheyenne	34.1	36.4	34.9			35.1
2 MN1410	35.2	38.9	35.9			35.8
3 MN0095	35.1	36.1	36.6			36.2
4 MN0606CN	34.8	34.6	35.9			35.8
5 M09-269045	35.7	35.7	35.9			36.3
6 M09-274009	35.6	35.8	36.2			37.6
7 M09-274025	36.5	37.0	34.1			36.7
8 M09-277002	37.9	39.5	38.1			37.1
9 ND09-5798	33.3	35.3	34.5			35.4
10 ND11-16223	32.5	36.0	34.3			35.4
11 ND11-16225	33.7	34.7	35.2			34.9
12 ND11-16241	35.5	36.6	34.9			34.8
13 ND11-19471	33.0	35.2	35.8			34.5
14 ND11-19483	33.0	34.9	36.4			34.4
15 OAC 13-86C-SCN	34.4	34.5	34.5			36.1

Oil (%)

Strain	SCN HG Type					
	Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
	MN	MN	MN	ND	ND	ON
	Inf	1.2.5.7	2.5.7	0	7	NI
1 Sheyenne	18.2	18.5	17.8			18.4
2 MN1410	18.7	16.5	18.1			18.9
3 MN0095	18.2	19.6	17.8			18.4
4 MN0606CN	18.3	19.1	17.6			18.4
5 M09-269045	17.9	18.8	17.8			18.2
6 M09-274009	17.3	17.6	17.2			17.7
7 M09-274025	19.7	18.2	18.4			18.2
8 M09-277002	18.2	17.6	18.5			18.1
9 ND09-5798	18.8	19.2	18.7			18.7
10 ND11-16223	18.4	18.3	17.9			18.2
11 ND11-16225	18.5	19.2	18.2			18.3
12 ND11-16241	19.1	19.3	17.1			18.3
13 ND11-19471	18.8	19.7	17.7			18.1
14 ND11-19483	18.8	19.6	17.2			18.6
15 OAC 13-86C-SCN	18.2	19.1	17.9			18.8