

2015 SCN Uniform Test 0

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 Sheyenne	Pgy	Pioneer 9071 x A96-492041	7	F4	none	Rsp1-c
2 MN1410	WGbf	Unknown	10	F5	none	
3 MN0095	PGibl	M92-270029 x M93-313135	5	F5	none	Rps1
4 MN0606CN	WTy	MN0901 x MN0902CN	10	F4	PI 88788	
5 M05-353163	PTbr	MN0902CN x M99-286047	4	F5	PI 88788	
6 M07-296048	PTy	M01-314114 x MN1011CN	1	F5	PI 88788	
7 M08-151025	WGY	M00-116161 x M99-286047	1	F5	PI 88788	
8 M08-328030	PGbf+y	MN0308CN x M03-176076	14 SCN P I	F5	PI 88788	protein
9 M08-354011	WTy	ND03-7566 x MN1413CN	14 SCN P I	F5	PI 88788	
10 M08-357081	PTy	M02-383122 x IA1022	14 SCN P0	F5	PI 88788	
11 M08-357102	PTy	M02-383122 x IA1022	14 SCN P0	F5	PI 88788	
12 M08-359053	PTy	M02-391112 x MN1701CN	14 SCN U00	F5	PI 88788,209332	
13 M08-359082	WGY	M02-391112 x MN1710CN	14 SCN P0	F5	PI 88788,209332	
14 M08-362045	WLtbl+y	MN0606CN x U03-100612	14 SCN P0	F5	PI 88788, Peking	
15 M08-427030	P+WGbf	MN0504 x ND04-11603	14 SCN U00	F5	PI 88788	
16 ND10-2763	WGY	Sheyenne x ND03-5441	1	F4	PI 88788	Rps6
17 ND10-3464	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	1	F4	PI 88788	Rps6

Entry	IL SCN screening				MN IDC
	HG 0		HG 2.5.7		Danvers
	Fl (Lee 74)	rating	Fl (Lee 74)	rating	score
1 Sheyenne	81	NR	62	NR	3.0
2 MN1410	75	NR	55	LR	3.0
3 MN0095	25	MR	40	LR	2.3
4 MN0606CN	6	HR	22	R	4.0
5 M05-353163	4	HR	26	MR	2.3
6 M07-296048	6	HR	12	R	2.0
7 M08-151025	5	HR	33	MR	2.8
8 M08-328030	11	R	17	R	2.5
9 M08-354011	7	HR	10	R	2.3
10 M08-357081	**	**	65	NR	4.0
11 M08-357102	30	MR	56	LR	3.0
12 M08-359053	11	R	41	LR	3.5
13 M08-359082	8	HR	25	MR	3.8
14 M08-362045	4	HR	14	R	3.0
15 M08-427030	48	LR	56	LR	4.0
16 ND10-2763	22	R	27	MR	4.5
17 ND10-3464	7	HR	44	LR	2.5

**rep data too variable to rate

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Summary

Entry	Locations	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	42.1	5	41.2	7	43.4	2	9/18	1.5	32	2.0	16.5	35.5	18.2
2	MN1410	44.4	1	41.1	9	48.9	1	6	1.5	34	1.7	17.6	36.0	18.4
3	MN0095	35.6	17	34.7	16	36.7	17	-4	1.6	27	2.0	13.4	36.4	18.8
4	MN0606CN	41.5	6	40.5	10	42.9	4	1	1.7	31	1.9	15.6	36.3	18.0
5	M05-353163	40.9	7	40.5	10	41.5	6	-1	1.7	32	1.8	15.5	38.1	17.4
6	M07-296048	39.0	13	38.0	13	40.3	8	1	1.7	31	1.4	16.0	36.3	17.7
7	M08-151025	40.5	9	41.3	6	39.4	13	3	1.7	31	1.8	15.7	36.8	17.9
8	M08-328030	40.0	11	40.2	12	39.8	11	1	1.4	28	1.8	17.2	39.1	18.0
9	M08-354011	43.0	3	43.0	2	43.0	3	3	1.8	31	1.7	15.1	35.8	18.7
10	M08-357081	36.8	16	34.3	17	40.2	10	1	1.8	28	1.6	16.3	36.7	18.1
11	M08-357102	42.9	4	43.0	3	42.8	5	4	1.6	31	1.8	16.9	36.6	18.0
12	M08-359053	40.2	10	41.6	5	38.3	14	0	1.9	31	2.1	16.6	37.1	18.4
13	M08-359082	40.9	7	43.0	3	38.1	15	3	1.6	33	1.9	16.6	35.9	18.8
14	M08-362045	43.2	2	44.8	1	41.0	7	2	1.8	28	1.9	15.6	36.8	18.6
15	M08-427030	38.8	14	37.6	14	40.3	8	0	1.8	34	1.7	14.8	35.1	18.5
16	ND10-2763	37.7	15	36.4	15	39.5	12	-1	1.6	29	2.0	16.2	34.9	18.5
17	ND10-3464	39.7	12	41.2	7	37.8	16	0	1.7	28	1.9	15.6	37.2	17.9
	Mean	40.4		40.1		40.8		19.4	1.7	30.6	1.8	15.9	36.5	18.2
	LSD(.05)	3.5		4.6		4.5		1.0	0.2	1.4				
	C.V. %	14.4		14.3		11.8		8.3	18.6	6.9				
	Replications	21		12		9		21	21	18				

2 year summary

Entry	Locations	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	42.6	2	41.1	5	43.8	2	9/22	1.4	30	2.1	16.7	35.1	17.7
2	MN1410	43.7	1	41.4	3	45.5	1	7	1.5	34	1.7	17.1	35.5	17.9
3	MN0095	35.6	9	34.6	9	36.4	9	-6	1.4	26	1.8	13.7	35.6	18.4
4	MN0606CN	40.1	7	39.2	7	40.9	5	2	1.6	29	1.9	15.7	35.9	17.7
5	M05-353163	42.4	4	41.4	3	43.3	3	-1	1.7	32	1.9	15.9	37.5	17.0
6	M07-296048	40.6	6	40.7	6	40.5	6	0	1.8	30	1.5	16.2	35.6	17.3
7	M08-151025	42.4	3	41.8	2	42.9	4	3	1.6	29	1.6	15.8	35.9	17.2
16	ND10-2763	37.5	8	37.3	8	37.6	8	-3	1.4	27	1.9	15.7	34.7	18.2
17	ND10-3464	42.0	5	44.1	1	40.3	7	-1	1.5	28	1.9	15.7	36.4	17.5

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Yield (bu/a)

Strain	Yield (bu/a)						
	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN Inf	MN 1.2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	52.1	49.3	37.3	26.0	51.0	51.9	27.4
2 MN1410	51.5	47.4	35.4	29.9	55.6	55.4	35.5
3 MN0095	40.3	38.6	32.6	27.4	41.8	50.9	17.3
4 MN0606CN	47.4	47.0	40.3	27.3	48.7	49.3	30.6
5 M05-353163	53.4	44.2	39.6	24.7	45.1	49.8	29.6
6 M07-296048	48.6	44.7	35.3	23.3	48.1	43.1	29.7
7 M08-151025	44.8	51.1	38.5	30.8	49.7	47.1	21.4
8 M08-328030	48.7	43.6	39.3	29.4	44.5	51.1	23.8
9 M08-354011	47.0	53.4	38.4	33.3	47.0	52.5	29.4
10 M08-357081	49.8	29.2	31.5	26.6	47.4	47.7	25.5
11 M08-357102	47.3	51.2	42.4	31.0	48.5	50.5	29.4
12 M08-359053	51.2	45.3	36.2	33.5	43.8	48.3	23.0
13 M08-359082	49.1	53.0	39.3	30.6	42.5	47.8	23.7
14 M08-362045	54.1	52.6	40.5	32.1	47.5	51.4	24.2
15 M08-427030	54.4	35.8	32.2	28.0	45.9	49.7	25.4
16 ND10-2763	50.8	29.7	39.4	25.6	42.6	52.1	23.8
17 ND10-3464	51.7	43.6	41.4	28.1	43.7	46.8	22.8
Average	49.5	44.7	37.6	28.7	46.7	49.7	26.0
LSD(2-sided,.05)	10.1	9.2	8.5	8.7	4.3	9.2	7.8
C.V. %	12.2	12.4	13.5	18.2	5.5	11.1	18.1
Replications	3	3	3	3	3	3	3
Row spacing (in.)	30	30	30	30	15.75	14	14

Yield (rank)

Strain	Yield (rank)						
	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN Inf	MN 1.2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	4	6	11	15	2	4	7
2 MN1410	6	7	13	7	1	1	1
3 MN0095	17	14	15	11	17	7	17
4 MN0606CN	13	8	4	12	4	11	2
5 M05-353163	3	11	5	18	11	9	4
6 M07-296048	12	10	14	19	6	17	3
7 M08-151025	16	5	9	5	3	15	16
8 M08-328030	11	12	7	8	12	6	11
9 M08-354011	15	1	10	2	9	2	5
10 M08-357081	9	17	17	14	8	14	8
11 M08-357102	14	4	1	4	5	8	5
12 M08-359053	7	9	12	1	13	12	14
13 M08-359082	10	2	7	6	16	13	13
14 M08-362045	2	3	3	3	7	5	10
15 M08-427030	1	15	16	10	10	10	9
16 ND10-2763	8	16	6	16	15	3	11
17 ND10-3464	5	12	2	9	14	16	15

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Maturity

SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
Strain							
1 Sheyenne	9/25	9/14	9/10	9/16	9/23	9/20	9/18
2 MN1410	3	4	12	8	0	7	9
3 MN0095	-9	0	1	-3	-12	-3	-1
4 MN0606CN	-3	1	7	2	-4	6	18*
5 M05-353163	-5	0	6	-1	-9	-1	5
6 M07-296048	-4	2	7	3	-6	-1	7
7 M08-151025	-1	4	6	2	0	8	6
8 M08-328030	-1	-2	5	3	-4	0	4
9 M08-354011	-1	4	8	2	-1	3	9
10 M08-357081	-7	2	12	1	-8	2	5
11 M08-357102	-1	4	12	1	-5	8	7
12 M08-359053	-5	0	6	-3	-7	1	5
13 M08-359082	-2	2	10	1	-2	8	7
14 M08-362045	-4	0	7	1	-5	6	8
15 M08-427030	0	-2	5	-1	-6	0	6
16 ND10-2763	-5	0	5	-3	-8	-1	5
17 ND10-3464	-6	2	7	-1	-5	-1	4
Planted	6/02	5/21	6/06	5/23	5/22	5/21	6/05

* not included when calculating means for summary data.

Lodging (score)

SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
Strain							
1 Sheyenne	2.0	2.0	1.7	1.0	1.0	1.7	1.0
2 MN1410	2.3	2.0	1.7	1.0	1.0	1.7	1.0
3 MN0095	2.0	2.0	2.3	1.0	1.0	1.5	1.0
4 MN0606CN	2.3	2.0	2.7	1.0	1.0	2.0	1.0
5 M05-353163	2.3	2.0	3.0	1.0	1.0	1.8	1.0
6 M07-296048	2.0	2.0	2.7	1.0	1.0	2.2	1.0
7 M08-151025	2.3	2.0	3.0	1.0	1.0	1.5	1.0
8 M08-328030	1.7	2.0	1.7	1.0	1.0	1.2	1.0
9 M08-354011	3.0	2.0	3.3	1.0	1.0	1.5	1.0
10 M08-357081	2.3	2.0	2.7	1.0	1.0	2.3	1.0
11 M08-357102	2.0	2.0	2.3	1.0	1.0	2.0	1.0
12 M08-359053	2.3	2.0	3.0	1.0	1.0	2.7	1.0
13 M08-359082	2.0	2.0	2.7	1.0	1.0	1.7	1.0
14 M08-362045	3.0	2.0	3.3	1.0	1.0	1.2	1.0
15 M08-427030	2.3	2.0	2.7	1.0	1.0	2.3	1.0
16 ND10-2763	2.3	2.0	2.0	1.0	1.0	1.5	1.0
17 ND10-3464	2.3	2.0	3.0	1.0	1.0	1.7	1.0

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Height (inches)

SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	Inf	1,2,5,7	2,5,7	7	NI	NI	NI
Strain							
1 Sheyenne	34	35	32		26	40	23
2 MN1410	35	42	35		26	42	27
3 MN0095	33	24	30		21	35	20
4 MN0606CN	39	31	32		25	36	25
5 M05-353163	38	26	34		27	40	28
6 M07-296048	36	30	32		25	37	26
7 M08-151025	35	35	33		24	37	23
8 M08-328030	32	28	32		23	31	19
9 M08-354011	36	31	33		23	38	25
10 M08-357081	33	28	29		22	37	21
11 M08-357102	33	31	32		25	40	24
12 M08-359053	34	34	32		27	36	24
13 M08-359082	37	36	33		26	39	24
14 M08-362045	32	27	31		22	31	23
15 M08-427030	39	29	37		33	41	27
16 ND10-2763	34	32	31		24	33	21
17 ND10-3464	32	28	30		22	36	22

Seed Quality (score)

SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	Inf	1,2,5,7	2,5,7	7	NI	NI	NI
Strain							
1 Sheyenne	2.0	2.0	2.0		2.0	2.5	1.5
2 MN1410	2.0	2.0	2.0		1.3	1.5	1.5
3 MN0095	2.0	2.0	3.0		1.7	1.5	1.5
4 MN0606CN	2.0	2.0	2.0		1.7	2.0	1.5
5 M05-353163	2.0	2.0	2.0		2.0	1.5	1.5
6 M07-296048	1.0	1.0	2.0		1.0	2.0	1.5
7 M08-151025	2.0	2.0	2.0		1.3	2.0	1.5
8 M08-328030	2.0	2.0	2.0		1.7	1.5	1.5
9 M08-354011	2.0	2.0	2.0		1.0	1.5	1.5
10 M08-357081	1.0	2.0	2.0		1.3	1.5	1.5
11 M08-357102	1.0	2.0	3.0		2.0	1.5	1.5
12 M08-359053	2.0	2.0	2.0		2.0	2.0	2.5
13 M08-359082	2.0	2.0	2.0		2.0	2.0	1.5
14 M08-362045	2.0	2.0	2.0		1.7	2.0	1.5
15 M08-427030	2.0	2.0	2.0		1.0	1.5	1.5
16 ND10-2763	2.0	2.0	2.0		2.7	2.0	1.5
17 ND10-3464	2.0	2.0	2.0		1.7	2.0	1.5

Seed Weight (g/100)

SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	Inf	1,2,5,7	2,5,7	7	NI	NI	NI
Strain							
1 Sheyenne	17.8	14.2	12.2		20.1	19.9	14.9
2 MN1410	18.4	15.4	13.3		21.2	19.5	17.6
3 MN0095	14.5	12.3	9.3		16.2	16.8	11.3
4 MN0606CN	15.7	14.0	11.7		19.2	18.0	14.8
5 M05-353163	16.9	13.3	11.5		18.3	19.0	13.7
6 M07-296048	17.8	15.2	12.6		19.2	15.9	15.1
7 M08-151025	16.5	14.6	12.5		18.7	18.2	13.9
8 M08-328030	18.3	16.1	13.8		19.5	19.9	15.3
9 M08-354011	16.1	13.8	12.2		17.9	16.4	14.3
10 M08-357081	16.3	15.0	12.9		20.7	17.3	15.4
11 M08-357102	17.8	15.7	13.4		21.3	16.7	16.6
12 M08-359053	17.1	15.7	12.9		20.6	17.8	15.5
13 M08-359082	17.2	14.6	13.7		20.9	18.5	14.6
14 M08-362045	16.0	13.3	13.0		19.5	17.1	14.6
15 M08-427030	15.3	11.5	12.2		17.8	17.6	14.4
16 ND10-2763	16.0	13.3	13.7		21.2	17.5	15.5
17 ND10-3464	15.5	13.4	13.9		19.2	18.3	13.5

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Protein (%)

Strain	SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
		Inf	1,2,5,7	2,5,7	7	NI	NI	NI
1 Sheyenne		35.9	35.6	34.6		34.7	35.8	36.5
2 MN1410		37.2	32.5	35.8		36.7	36.9	36.8
3 MN0095		34.7	36.1	38.6		34.9	36.9	37.1
4 MN0606CN		36.6	34.5	36.0		36.2	37.1	37.1
5 M05-353163		38.7	36.3	38.5		37.8	38.5	38.8
6 M07-296048		36.5	34.9	35.7		36.6	37.0	37.2
7 M08-151025		37.0	35.1	38.0		36.1	36.5	37.8
8 M08-328030		39.3	38.5	38.5		38.9	39.3	39.8
9 M08-354011		36.2	33.8	35.7		36.7	36.3	36.4
10 M08-357081		36.7	34.4	37.3		36.9	37.3	37.3
11 M08-357102		37.5	35.6	35.3		36.9	36.9	37.1
12 M08-359053		37.2	37.2	35.8		37.1	37.5	37.6
13 M08-359082		34.6	36.0	35.7		36.0	36.4	36.7
14 M08-362045		36.4	38.0	36.0		36.5	37.0	37.0
15 M08-427030		34.5	34.1	34.9		34.9	35.7	36.5
16 ND10-2763		33.6	34.6	33.7		35.8	35.4	36.5
17 ND10-3464		34.8	36.6	36.4		39.2	38.6	37.8

Oil (%)

Strain	SCN HG Type	Davners	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
		Inf	1,2,5,7	2,5,7	7	NI	NI	NI
1 Sheyenne		18.0	18.8	18.0		18.8	17.7	18.0
2 MN1410		17.9	18.0	18.7		19.1	18.4	18.4
3 MN0095		19.4	19.6	18.8		19.1	17.8	18.2
4 MN0606CN		17.5	18.7	17.6		18.4	17.7	18.3
5 M05-353163		17.2	17.9	17.5		17.5	16.9	17.5
6 M07-296048		17.0	18.2	17.9		17.9	17.4	17.8
7 M08-151025		17.8	17.9	18.1		18.3	17.5	17.7
8 M08-328030		18.0	18.7	17.9		18.0	17.5	17.7
9 M08-354011		18.8	19.2	18.7		18.7	18.3	18.7
10 M08-357081		18.4	18.2	17.8		18.4	17.6	18.1
11 M08-357102		17.9	18.1	18.4		18.3	17.5	17.9
12 M08-359053		18.5	18.7	19.6		18.2	17.6	17.8
13 M08-359082		19.2	19.3	19.5		19.1	17.8	18.0
14 M08-362045		18.2	18.8	19.7		18.5	17.9	18.4
15 M08-427030		18.5	19.1	17.9		19.3	18.0	18.2
16 ND10-2763		19.3	18.4	18.8		18.8	17.7	18.0
17 ND10-3464		18.7	18.0	18.4		17.6	16.9	17.9