

2013 SCN UNIFORM TEST I

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 MN1410	WGbf	Unknown	8	F5	None	
2 IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	6	F5	PI88788	
3 Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	5	F4	None	Rsp1-c
4 AR09-191018	PGbf	Agripro 97284-N00-47977 x AR02-101001	1	F5	Peking	
5 LD10- 5903a	PGibl	M99-286047 x LD05-16638	12 SCN P I	F5	PI88788	Rag1
6 M05-353086	P+WTy	MN0902CN x M99-286047	2	F5	PI88788	
7 M05-353151	PGy+bf	MN0902CN x M99-286047	2	F5	PI88788	
8 M06-288155	PGy+bf	M00-365137 x M99-286050	12 SCN P I	F5	PI88788	
9 M06-288190	WGbf	M00-365137 x M99-286050	12 SCN P I	F5	PI88788	
10 M06-289273	WGy	M00-351195 x M00-365181	12 SCN P I	F5	PI88788	
11 M07-209037	WGy	M90-184111 x MN0606CN	12 SCN P I	F5	PI88788	

Entry	IL SCN screening				ISU IDC		MN IDC
	HG 0		HG 2.5.7		Bruner	N. Woodruff	Danvers
	FI	rating	FI	rating	score	score	score
1 MN1410	73	NR	72	NR	4.0	3.0	2.9
2 IA1022 (SCN)	4	HR	59	LR	1.0	2.8	2.9
3 Sheyenne (0)	64	NR	76	NR	2.3	2.0	3.1
4 AR09-191018	0	HR	9	HR	3.0	2.8	3.6
5 LD10- 5903a	2	HR	58	LR	1.3	.	3.4
6 M05-353086	1	HR	67	NR	2.0	3.5	3.5
7 M05-353151	2	HR	50	LR	3.5	3.3	3.6
8 M06-288155	1	HR	55	LR	.	3.0	3.5
9 M06-288190	1	HR	72	NR	1.0	2.3	3.8
10 M06-289273	2	HR	55	LR	2.8	3.0	3.4
11 M07-209037	1	HR	53	LR	2.5	3.0	3.6

A11 (res) 1.4 1.1
 Dwight (sus) 2.6 2.8
 LSD 1.1 1.0

Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested bu/a	rank	Non-infested bu/a	rank				quality score	weight g/100	protein @13%	oil @13%
1 MN1410		41.1	10	44.3	9	916	1.6	29	1.6	15.4	36.1	18.4
2 IA1022 (SCN)		46.2	5	49.0	3	6	1.8	27	1.3	15.8	33.0	20.1
3 Sheyenne (0)		32.8	11	41.8	10	-5	1.4	25	1.8	14.9	34.8	18.7
4 AR09-191018		51.2	1	52.4	1	6	1.9	32	1.4	14.7	34.8	19.0
5 LD10- 5903a		48.1	3	49.4	2	8	1.4	29	1.6	16.5	36.2	17.9
6 M05-353086		45.3	6	45.5	8	4	1.3	26	1.9	17.9	36.3	17.6
7 M05-353151		42.5	8	47.9	4	0	1.5	26	1.7	15.8	36.5	17.7
8 M06-288155		49.4	2	46.8	6	2	2.2	32	1.4	15.2	35.8	17.5
9 M06-288190		45.2	7	46.5	7	2	1.6	28	2.0	16.2	35.5	17.7
10 M06-289273		42.2	9	38.9	11	-5	1.5	26	1.9	15.5	35.6	18.5
11 M07-209037		47.9	4	47.6	5	4	1.7	26	1.1	16.0	33.5	19.4

2 year summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested bu/a	rank	Non-infested bu/a	rank				quality score	weight g/100	protein @13%	oil @13%
1 MN1410		40.4	5	48.0	5	914	1.5	31.6	1.5	15.6	36.1	18.5
2 IA1022 (SCN)		49.7	2	53.4	1	5	1.8	32.3	1.3	15.7	33.0	20.0
3 Sheyenne (0)		32.6	6	44.3	6	-6	1.3	28.7	1.7	14.7	34.6	18.9
4 AR09-191018		52.0	1	53.3	2	5	1.7	35.5	1.4	15.1	34.5	19.3
6 M05-353086		47.9	3	50.3	3	3	1.2	29.6	1.7	17.2	35.7	17.9
7 M05-353151		43.7	4	48.3	4	-1	1.4	29.8	1.5	15.7	36.0	17.9

2013 SCN UNIFORM TEST I

Yield (bu/a)

	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	55.1	30.8	56.2	34.0	35.1	44.7	17.3	55.3	44.3
2 IA1022 (SCN)	54.1	33.4	54.3	34.8	41.1	47.8	43.0	60.8	49.0
3 Sheyenne (0)	55.8	18.2	29.3	30.6	27.4	39.9	17.4	43.6	41.8
4 AR09-191018	48.5	49.7	58.4	41.1	46.1	51.2	60.6	54.2	52.4
5 LD10- 5903a	60.3	39.9	61.8	39.1	36.1	52.1	44.7	50.7	49.4
6 M05-353086	57.2	28.8	46.5	33.7	41.5	47.8	50.9	56.4	45.5
7 M05-353151	54.8	33.0	45.8	36.1	39.0	46.8	35.3	49.0	47.9
8 M06-288155	57.2	46.5	55.0	33.5	46.1	52.6	50.0	54.7	46.8
9 M06-288190	59.3	31.3	48.9	32.4	30.0	51.3	46.2	62.3	46.5
10 M06-289273	56.5	29.3	36.2	35.7	40.6	43.2	44.3	51.8	38.9
11 M07-209037	59.1	38.0	49.9	39.5	40.9	44.9	45.6	65.5	47.6
Average	56.2	34.4	49.3	35.5	38.5	47.4	41.4	54.9	46.4
LSD(.05)	4.0	13.4	10.7	6.9	6.2	7.9	13.1	6.4	8.1
C.V. %	3.2	17.5	9.8	11.9	9.8	10.1	15.3	7.3	8.0
Replications	2	2	2	3	3	3	3	3	2
Row width (in.)	30	30	30	30	30	30	24	24	30

Yield (rank)

	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	8	8	3	7	9	9	11	5	9
2 IA1022 (SCN)	10	5	5	6	4	5	8	3	3
3 Sheyenne (0)	7	11	11	11	11	11	10	11	10
4 AR09-191018	11	1	2	1	1	4	1	7	1
5 LD10- 5903a	1	3	1	3	8	2	6	9	2
6 M05-353086	4	10	8	8	3	5	2	4	8
7 M05-353151	9	6	9	4	7	7	9	10	4
8 M06-288155	4	2	4	9	1	1	3	6	6
9 M06-288190	2	7	7	10	10	3	4	2	7
10 M06-289273	6	9	10	5	6	10	7	8	11
11 M07-209037	3	4	6	2	5	8	5	1	5

Maturity

	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	9/13		9/12	9/22	9/22	9/21	9/9*	9/21	9/1
2 IA1022 (SCN)	6		7	5	5	5	14	7	5
3 Sheyenne (0)	-6		-3	-4	-4	-9	1	-5	-5
4 AR09-191018	4		11	5	5	6	18	5	5
5 LD10- 5903a	7		14	7	7	8	19	7	5
6 M05-353086	2		4	6	6	4	14	1	4
7 M05-353151	-2		0	0	0	0	7	-2	2
8 M06-288155	3		2	1	1	4	9	2	2
9 M06-288190	3		1	-1	-1	5	13	6	4
10 M06-289273	-6		0	-9	-9	-7	2	-3	-3
11 M07-209037	4		6	2	2	3	14	7	1
Planted	6/3	5/15	5/14	5/17	5/14	5/15	5/27	6/7	5/15

*Data not included when calculating means for summary table.

2013 SCN UNIFORM TEST I

Lodging (score)

	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	3.0	1.0	1.5	1.0	1.0	2.7	1.0	2.3	1.3
2 IA1022 (SCN)	3.3	1.0	1.5	1.3	2.0	3.0	1.0	1.5	1.5
3 Sheyenne (0)	1.8	1.0	1.0	1.0	1.0	1.7	1.0	2.5	1.3
4 AR09-191018	2.5	1.5	1.8	1.7	2.0	2.0	1.0	3.0	1.3
5 LD10- 5903a	2.0	1.3	1.8	1.0	1.0	2.0	1.0	1.2	1.0
6 M05-353086	1.5	2.0	1.5	1.0	1.0	1.7	1.0	1.0	1.0
7 M05-353151	2.0	1.0	1.3	1.0	2.0	2.0	1.0	2.0	1.0
8 M06-288155	3.8	1.5	2.0	1.3	2.0	3.0	1.0	3.8	1.8
9 M06-288190	3.3	1.3	1.5	1.0	1.0	3.0	1.0	1.7	1.0
10 M06-289273	2.8	1.0	1.3	1.0	1.0	2.0	1.0	2.0	1.0
11 M07-209037	3.3	1.0	1.3	1.0	1.0	2.7	1.0	2.5	1.5

Height (inches)

	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	38	20	31		26	27	19	37	34
2 IA1022 (SCN)	34	20	25		23	29	20	35	29
3 Sheyenne (0)	32	20	22		19	25	19	34	28
4 AR09-191018	40	26	25		31	31	30	40	32
5 LD10- 5903a	33	26	27		28	31	21	36	30
6 M05-353086	29	20	27		23	27	22	31	31
7 M05-353151	33	20	27		24	27	20	33	26
8 M06-288155	35	28	31		32	35	27	38	33
9 M06-288190	34	20	27		23	33	23	37	28
10 M06-289273	34	18	23		20	27	23	37	28
11 M07-209037	35	20	24		21	27	19	33	25

Seed Quality (score)

	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	2.0			2.0	3.0	1.0	1.0	1.0	1.0
2 IA1022 (SCN)	2.0			2.0	1.0	1.0	1.0	1.3	1.0
3 Sheyenne (0)	2.0			2.0	2.0	2.0	1.0	1.3	2.0
4 AR09-191018	2.0			2.0	1.0	1.0	1.0	1.0	2.0
5 LD10- 5903a	2.0			1.0	3.0	1.0	1.0	1.3	2.0
6 M05-353086	2.0			2.0	2.0	1.0	1.0	1.0	4.0
7 M05-353151	2.0			2.0	3.0	1.0	1.0	1.0	2.0
8 M06-288155	2.0			1.0	2.0	1.0	1.0	1.0	2.0
9 M06-288190	2.0			2.0	3.0	2.0	1.0	2.0	2.0
10 M06-289273	2.0			2.0	3.0	2.0	1.0	2.0	1.0
11 M07-209037	2.0			1.0	1.0	1.0	1.0	1.0	1.0

2013 SCN UNIFORM TEST I

Seed Weight (g/100)

SCN HG Type	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	14.7			14.9	15.5	17.8	12.3	16.4	16.2
2 IA1022 (SCN)	13.1			15.8	15.8	16.4	15.9	18.8	15.0
3 Sheyenne (0)	12.9			14.6	14.8	15.9	13.1	15.8	16.9
4 AR09-191018	12.8			13.1	14.4	14.5	16.1	18.2	13.9
5 LD10- 5903a	16.2			14.6	15.5	17.4	17.4	19.3	15.4
6 M05-353086	16.6			16.1	16.1	18.2	19.4	21.0	18.0
7 M05-353151	14.2			14.4	15.5	15.7	16.3	17.4	16.9
8 M06-288155	13.9			13.6	14.7	15.9	16.2	16.1	15.6
9 M06-288190	14.6			14.9	15.5	15.8	16.5	18.3	17.6
10 M06-289273	13.9			14.0	15.9	15.7	15.1	17.4	16.4
11 M07-209037	13.5			15.1	15.6	16.0	16.4	18.4	16.7

Protein (%)

SCN HG Type	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	37.2			37.3	34.8	35.7	36.4	36.1	35.3
2 IA1022 (SCN)	33.4			33.9	32.7	31.8	34.1	34.2	31.2
3 Sheyenne (0)	33.4			36.6	34.3	33.8	35.7	35.3	34.7
4 AR09-191018	36.9			35.2	32.8	32.8	35.5	37.5	32.7
5 LD10- 5903a	37.1			35.9	35.4	36.1	37.6	37.8	33.8
6 M05-353086	38.4			36.1	34.8	35.3	37.2	38.1	34.3
7 M05-353151	38.0			37.3	36.1	35.3	36.5	37.8	34.4
8 M06-288155	36.8			35.7	35.3	34.9	35.9	35.9	35.7
9 M06-288190	36.0			34.7	35.0	35.3	35.9	36.5	34.9
10 M06-289273	35.5			35.6	36.6	35.4	35.8	36.7	33.6
11 M07-209037	34.6			33.9	33.4	32.6	33.5	33.8	32.8

Oil (%)

SCN HG Type	Mason City	Newell	Dekalb	Lamberton	Stewart	Waseca	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	MN	ON	ON	IL
	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	2.5.7	NI
Strain									
1 MN1410	17.0			18.8	19.6	18.8	17.9	18.7	18.1
2 IA1022 (SCN)	18.6			20.3	20.1	20.8	20.6	20.1	20.0
3 Sheyenne (0)	18.7			18.7	19.7	19.4	18.4	18.0	18.3
4 AR09-191018	16.8			18.7	19.6	20.1	19.6	18.3	19.7
5 LD10- 5903a	16.7			18.4	17.3	18.3	18.2	17.7	18.8
6 M05-353086	15.9			18.1	18.0	18.3	17.6	17.0	18.3
7 M05-353151	16.8			17.8	17.1	18.7	18.2	17.0	18.3
8 M06-288155	15.8			17.8	17.7	18.4	18.0	17.3	17.3
9 M06-288190	16.3			18.7	18.2	17.7	17.9	17.2	17.5
10 M06-289273	18.5			19.1	17.9	19.0	18.4	17.9	18.5
11 M07-209037	17.8			19.8	19.1	19.5	20.4	19.8	19.5