

2014 SCN UNIFORM TEST I

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 MN1410	WGbf	Unknown	9	F5	None	
2 IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	7	F5	PI88788	
3 Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	6	F4	None	Rsp1-c
4 AR12-127092	PGbf	AR03-161009 x AR06-365042	13 SCN P I	F4	PI 507354,88788	
5 M05-353151	PGy	MN0902CN x M99-286047	3	F5	PI 88788	
6 M06-288155	PGy	M00-365137 x M99-286050	1	F5	PI 88788	
7 M07-209037	WGy	M90-184111 x MN0606CN	1	F5	PI 88788	
8 M07-297004	PTy/br	MN0902CN x LD02-5320	13 SCN P I	F5	PI 88788	
9 M07-297007	P+WTbl	MN0902CN x LD02-5320	13 SCN P I	F5	PI 88788	
10 M07-297052	PTgr	MN0902CN x LD02-5320	13 SCN P I	F5	PI 88788	
11 M08-151006	WGy/bf	M00-116161 x M99-286047	13 SCN P I	F5	PI 88788	
12 M08-151086	PTy	M00-116161 x M99-286047	13 SCN P I	F5	PI 88788	
13 U11-911079	PLtbl	LD02-4485 x U03-300134	13 UPT IB	F6	PI 88788	
14 U11-917032	PTbl	LD02-4485 x U03-100612	13 UPT IB	F6	PI 88788	

Entry	IL SCN screening				ISU IDC	MN IDC
	HG 0		HG 2.5.7		Ames	Danvers
	FI	rating	FI	rating	score	score
1 MN1410	76	NR	101	NR	2.6	3.4
2 IA1022 (SCN)	5	HR	40	LR	2.2	3.2
3 Sheyenne (0)	78	NR	104	NR	1.8	3.7
4 AR12-127092	3	HR	32	MR	1.8	3.4
5 M05-353151	3	HR	32	MR	3.3	3.2
6 M06-288155	4	HR	23	R	3.0	3.7
7 M07-209037	1	HR	24	R	2.5	3.5
8 M07-297004	2	HR	22	R	1.3	2.5
9 M07-297007	3	HR	46	**	2.7	2.9
10 M07-297052	9	HR	21	R	1.8	3.2
11 M08-151006	1	HR	23	R	1.6	3.6
12 M08-151086	3	HR	29	MR	2.1	3.3
13 U11-911079	6	HR	24	R	1.2	3.3
14 U11-917032	3	HR	34	MR	2.3	4.3

\*\*rep data too variable to rate  
A11 (res) 2.3  
IA3049 (sus) 2.7

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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	MN1410	52.1	10	51.9	10	54.1	7	8	2.1	36	1.6	7	8	17.8
2	IA1022 (SCN)	57.7	3	57.8	1	56.4	6	5	1.8	33	2.0	18.0	33.5	19.1
3	Sheyenne (0)	42.8	14	42.3	14	46.8	13	-7	1.6	31	2.1	17.0	35.5	18.0
4	AR12-127092	57.0	4	57.0	4	57.3	5	7	1.8	35	2.1	19.9	37.2	16.8
5	M05-353151	51.5	11	51.7	11	49.9	9	0	1.4	31	1.6	17.8	36.8	17.2
6	M06-288155	54.0	9	54.6	8	48.9	10	1	2.9	37	1.7	17.0	35.6	17.0
7	M07-209037	55.6	5	56.5	5	48.6	11	4	2.2	33	1.9	17.8	33.2	18.9
8	M07-297004	48.5	12	49.5	12	40.0	14	0	1.5	32	1.7	17.9	37.0	17.8
9	M07-297007	55.6	6	54.9	7	61.6	3	5	1.8	35	1.4	16.8	38.1	17.1
10	M07-297052	54.3	8	53.8	9	58.5	4	5	1.9	37	1.5	16.7	36.9	17.5
11	M08-151006	55.0	7	55.4	6	51.5	8	5	2.1	36	1.7	19.5	36.0	17.6
12	M08-151086	48.2	13	48.3	13	47.9	12	-1	1.7	34	1.5	16.8	35.1	18.2
13	U11-911079	59.7	1	57.5	2	77.1	1	8	1.5	35	1.4	14.8	34.5	16.9
14	U11-917032	58.2	2	57.5	2	64.1	2	5	1.9	32	1.6	17.9	34.3	18.7
	Mean	53.6		53.5		54.5		2.8	1.8	33.9				
	LSD(.05)	3.0		3.3		6.4		0.9	0.3	1.8				
	C.V. %	10.4		10.8		5.9		8.0	25.5	9.0				

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	MN1410	46.8	5	46.5	5	49.2	2	918	1.9	32.5	1.6	16.5	36.2	18.1
2	IA1022 (SCN)	52.0	1	52.1	2	52.7	1	6	1.8	30.0	1.7	16.9	33.3	19.6
3	Sheyenne (0)	38.0	6	37.6	6	44.3	6	-6	1.5	28.0	2.0	16.0	35.2	18.4
4	AR09-191018	47.0	4	47.1	4	48.9	2	0	1.5	28.5	1.7	16.8	36.7	17.5
6	M05-353086	52.0	2	52.1	2	47.9	5	2	2.6	34.5	1.6	16.1	35.7	17.3
7	M05-353151	52.0	2	52.2	1	48.1	4	4	2.0	29.5	1.5	16.9	33.4	19.2

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Yield (bu/a)

SCN HG Type	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
Strain									
1 MN1410	52.7	66.7	69.3	38.3	29.5	48.4	56.0	54.4	54.1
2 IA1022 (SCN)	56.3	66.8	66.6	49.1	41.3	59.4	53.7	69.7	56.4
3 Sheyenne (0)	40.5	34.0	47.7	36.5	26.9	43.3	48.6	61.5	46.8
4 AR12-127092	53.6	57.2	65.9	46.7	43.4	62.4	59.4	67.4	57.3
5 M05-353151	51.1	59.0	62.4	40.2	40.1	46.7	57.3	57.1	49.9
6 M06-288155	50.4	62.3	61.8	41.2	35.5	61.3	62.3	62.6	48.9
7 M07-209037	49.7	61.5	66.5	44.4	39.4	47.8	71.9	71.2	48.6
8 M07-297004	49.1	46.9	60.5	43.6	34.0	51.8	52.1	58.5	40.0
9 M07-297007	52.3	62.6	70.2	41.0	41.8	55.9	53.0	62.7	61.6
10 M07-297052	52.7	61.8	68.1	40.6	33.7	55.5	58.0	60.2	58.5
11 M08-151006	56.2	65.9	64.3	43.8	41.1	50.4	60.8	61.0	51.5
12 M08-151086	48.1	52.2	49.7	42.6	33.4	52.2	52.1	56.2	47.9
13 U11-911079	60.0	61.6	76.8	47.5	42.9	52.7	58.0	61.0	77.1
14 U11-917032	58.9	60.6	69.3	47.8	37.5	59.2	62.6	64.3	64.1
Average	52.3	58.5	64.2	43.1	37.2	54.1	57.6	62.0	54.5
LSD(.05)	6.0	14.1	11.3	5.1	8.0	6.6	9.2	7.6	6.4
C.V. %	5.3	11.1	8.8	5.6	13.3	8.8	7.8	6.1	5.9
Replications	2	2	2	2	3	3	3	3	2
Row width (in.)	30	30	30	30	30	17	24	24	30

Yield (rank)

SCN HG Type	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
Strain									
1 MN1410	6	2	3	13	13	11	9	14	7
2 IA1022 (SCN)	3	1	6	1	4	3	10	2	6
3 Sheyenne (0)	14	14	14	14	14	14	14	7	13
4 AR12-127092	5	11	8	4	1	1	5	3	5
5 M05-353151	9	10	10	12	6	13	8	12	9
6 M06-288155	10	5	11	9	9	2	3	6	10
7 M07-209037	11	8	7	5	7	12	1	1	11
8 M07-297004	12	13	12	7	10	9	13	11	14
9 M07-297007	8	4	2	10	3	5	11	5	3
10 M07-297052	7	6	5	11	11	6	6	10	4
11 M08-151006	4	3	9	6	5	10	4	9	8
12 M08-151086	13	12	13	8	12	8	12	13	12
13 U11-911079	1	7	1	3	2	7	7	8	1
14 U11-917032	2	9	3	2	8	4	2	4	2

Maturity

SCN HG Type	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
Strain									
1 MN1410	9/20		9/12	10/4	9/27	9/21	9/18	9/20	9/03
2 IA1022 (SCN)	7		2	3	6	6	6	7	5
3 Sheyenne (0)	-13		-10	-12	-6	-9	-1	-2	-4
4 AR12-127092	7		5	3	8	10	11	13	2
5 M05-353151	-1		-4	0	3	-4	4	2	-1
6 M06-288155	0		-4	-1	1	2	5	3	-2
7 M07-209037	2		1	4	6	4	10	5	1
8 M07-297004	-1		-2	0	0	-2	2	1	-2
9 M07-297007	2		2	4	6	4	9	7	4
10 M07-297052	5		3	4	6	5	7	7	3
11 M08-151006	5		2	6	7	6	7	6	0
12 M08-151086	-2		-4	1	0	-5	1	1	-3
13 U11-911079	7		10	8	8	3	7	6	13
14 U11-917032	6		3	6	5	1	8	4	5
Planted	5/20	5/17	5/20	5/30	5/15	5/29	5/29	6/3	5/21

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Lodging (score)

Strain	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
1 MN1410	2.5	3.0	2.5		1.0	2.0	2.0	1.2	2.3
2 IA1022 (SCN)	2.5	2.5	1.8		1.0	2.0	1.3	1.5	2.0
3 Sheyenne (0)	2.0	1.8	1.3		1.0	2.0	1.5	1.5	1.5
4 AR12-127092	2.5	2.5	1.8		1.3	2.0	1.0	1.3	2.0
5 M05-353151	1.8	2.3	1.3		1.0	1.3	1.2	1.0	1.5
6 M06-288155	2.5	2.8	3.0		1.7	2.7	4.2	3.8	2.3
7 M07-209037	2.5	2.5	2.0		1.3	3.0	2.7	1.5	2.0
8 M07-297004	2.3	1.8	1.5		1.0	1.3	1.3	1.0	1.5
9 M07-297007	2.0	2.5	1.8		1.0	2.0	2.0	1.0	2.3
10 M07-297052	2.3	2.5	2.0		1.0	1.7	2.0	1.3	2.3
11 M08-151006	2.5	2.5	2.0		1.0	3.0	1.3	1.7	3.0
12 M08-151086	2.3	2.8	1.3		1.0	1.7	1.3	1.0	2.0
13 U11-911079	2.0	2.3	1.8		1.0	1.3	1.0	1.0	1.5
14 U11-917032	2.5	2.5	2.0		1.0	2.0	2.0	1.3	2.0

Height (inches)

Strain	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
1 MN1410	33	34	37			41	33	37	36
2 IA1022 (SCN)	31	31	33			41	29	38	30
3 Sheyenne (0)	27	22	32			39	30	36	31
4 AR12-127092	31	32	34			42	36	40	32
5 M05-353151	28	30	30			36	31	31	29
6 M06-288155	33	34	40			43	40	38	33
7 M07-209037	30	28	33			37	38	36	31
8 M07-297004	30	27	33			38	35	33	29
9 M07-297007	32	34	36			39	35	37	35
10 M07-297052	35	34	35			40	38	39	35
11 M08-151006	33	35	36			41	35	39	36
12 M08-151086	31	30	34			39	33	39	33
13 U11-911079	30	32	36			38	38	36	35
14 U11-917032	29	27	32			37	35	33	29

Seed Quality (score)

Strain	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
1 MN1410			2.0	1.0	3.0	1.0	1.0	1.0	2.0
2 IA1022 (SCN)			3.0	1.0	2.0	1.7	1.3	2.0	3.0
3 Sheyenne (0)			3.0	1.0	3.0	1.0	1.3	2.3	3.0
4 AR12-127092			3.0	1.0	4.0	1.0	1.0	1.7	3.0
5 M05-353151			3.0	1.0	2.0	1.0	1.0	1.3	2.0
6 M06-288155			2.0	2.0	2.0	1.0	1.7	1.3	2.0
7 M07-209037			3.0	1.0	3.0	1.0	1.3	2.0	2.0
8 M07-297004			3.0	1.0	2.0	1.0	1.3	1.7	2.0
9 M07-297007			1.0	1.0	2.0	1.0	1.0	2.0	2.0
10 M07-297052			1.0	2.0	2.0	1.0	1.3	1.0	2.0
11 M08-151006			3.0	1.0	3.0	1.0	1.0	1.0	2.0
12 M08-151086			3.0	1.0	2.0	1.3	1.0	1.0	1.0
13 U11-911079			1.0	2.0	1.0	1.7	1.3	1.0	2.0
14 U11-917032			1.0	1.0	2.0	2.0	1.7	1.3	2.0

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## Seed Weight (g/100)

Strain	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
1 MN1410			19.3	16.9	14.5	19.8	16.9	18.4	16.9
2 IA1022 (SCN)			19.2	16.4	17.0	19.5	17.8	19.7	16.2
3 Sheyenne (0)			17.9	16.6	15.7	16.7	17.1	17.7	17.6
4 AR12-127092			20.1	17.4	18.5	21.5	21.5	20.7	19.9
5 M05-353151			18.9	16.4	17.7	16.8	19.1	17.3	18.1
6 M06-288155			17.5	15.6	16.7	17.2	18.6	17.9	15.6
7 M07-209037			18.7	16.6	17.1	17.5	19.7	18.6	16.2
8 M07-297004			19.4	16.6	16.1	18.9	19.5	18.1	16.6
9 M07-297007			17.6	14.8	15.3	18.4	17.8	17.8	16.0
10 M07-297052			18.1	13.8	16.1	17.8	18.3	17.6	15.2
11 M08-151006			21.5	15.9	19.1	21.5	20.6	20.0	17.8
12 M08-151086			18.3	15.5	16.4	18.1	17.2	16.5	15.6
13 U11-911079			16.4	11.4	13.9	15.9	17.1	14.5	14.1
14 U11-917032			19.6	13.7	15.9	20.2	21.1	18.6	16.3

## Protein (%)

Strain	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
1 MN1410	35.2		39.0	34.2	33.9	38.2	37.3	38.8	34.1
2 IA1022 (SCN)	33.0		34.2	30.2	34.2	36.1	34.1	35.0	30.8
3 Sheyenne (0)	35.6		37.6	31.5	36.4	36.5	35.6	36.5	34.2
4 AR12-127092	37.0		39.2	33.5	37.6	39.1	37.9	38.1	35.2
5 M05-353151	34.8		36.8	33.9	39.1	38.5	37.8	37.7	36.0
6 M06-288155	34.0		35.9	33.5	37.4	36.8	36.3	37.1	33.9
7 M07-209037	31.7		31.9	30.1	33.4	35.8	34.3	34.7	33.3
8 M07-297004	36.5		37.2	36.3	36.6	38.6	37.9	37.4	35.2
9 M07-297007	37.5		39.1	36.3	37.2	39.7	39.0	39.1	37.0
10 M07-297052	34.7		38.6	33.1	38.8	38.6	38.5	38.1	34.7
11 M08-151006	33.9		36.5	34.5	36.9	38.6	36.1	36.6	34.9
12 M08-151086	34.1		34.6	34.0	36.2	37.1	36.0	36.4	32.7
13 U11-911079	33.9		34.4	31.7	33.5	37.1	37.2	36.2	32.2
14 U11-917032	32.3		33.3	31.1	36.0	36.6	36.1	35.5	33.5

## Oil (%)

Strain	Mason City	Newell	Dekalb	Fairfax	Lamberton	Ridgetown	Chatham	Harrow	Urbana
	IA	IA	IL	MN	MN	ON	ON	ON	IL
SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
1 MN1410	19.2		16.9	16.4	17.3	18.2	18.2	18.2	18.0
2 IA1022 (SCN)	19.6		18.3	18.2	18.1	19.0	20.3	20.2	19.5
3 Sheyenne (0)	18.3		17.0	17.0	18.4	17.9	18.5	18.0	18.7
4 AR12-127092	17.4		15.9	15.9	16.0	16.5	17.3	17.7	17.6
5 M05-353151	18.4		16.7	16.6	16.7	16.7	17.6	17.4	17.6
6 M06-288155	17.7		15.8	16.8	15.7	17.1	17.5	17.3	17.8
7 M07-209037	19.6		18.8	17.8	18.6	18.7	19.4	19.5	18.8
8 M07-297004	18.3		17.4	16.3	16.9	18.0	18.1	18.6	18.5
9 M07-297007	18.8		16.6	17.0	15.8	16.8	17.3	17.4	16.8
10 M07-297052	17.3		16.6	16.8	17.8	17.1	17.4	18.0	18.8
11 M08-151006	18.4		17.0	16.2	17.2	16.9	18.3	18.3	18.9
12 M08-151086	18.3		17.6	17.6	18.6	17.9	18.4	18.4	18.8
13 U11-911079	16.5		16.5	15.5	16.0	17.1	17.4	18.0	18.0
14 U11-917032	18.9		18.5	16.8	18.9	19.1	19.0	19.5	19.1