

2012 SCN UNIFORM TEST I

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Traits
1 MN1410	WGbf	Unknown	7	F5	
2 IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	5	F5	
3 Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	4	F4	Rsp1-c
4 AR09-191018	PGbf	Agripro 97284-N00-47977 x AR02-101001	1	F5	Peking SCN Res
5 AR10-105002	P+WGbf+ibl	SS02-11958 x A00-882130	1	F4	PI 438489B SCN Res
6 M05-350013	WGbf	M00-111179 x M98-134022	11SCN PIIA	F5	
7 M05-353086	P+WTy	MN0902CN x M99-286047	1	F5	
8 M05-353151	PGy+bf	MN0902CN x M99-286047	1	F5	
9 M05-357149	WTy	MN1009 x M00-114089	11SCN PIIA	F5	Rps1k
10 M05-363126	P+WTy	IA1008 x MN1011CN	11SCN PIIA	F5	

Entry	IL SCN screening				ISU IDC	ISU IDC	MN IDC
	HG 0		HG 2.5.7		Dairy	Bruner	Danvers
	Fl	rating	Fl	rating	score	score	score
1 MN1410	61	NR	55	LR	3.0	2.5	2.5
2 IA1022 (SCN)	6	HR	72	NR	2.0	2.3	3.5
3 Sheyenne (0)	65	NR	62	NR	1.8	1.0	1.6
4 AR09-191018	1	HR	2	HR	2.3	1.8	2.3
5 AR10-105002	2	HR	77	NR	2.5	2.5	2.8
6 M05-350013	65	NR	76	NR	2.8	1.3	2.1
7 M05-353086	3	HR	58	NR	1.8	1.5	2.1
8 M05-353151	6	HR	79	NR	4.0	3.0	2.8
9 M05-357149	7	HR	83	NR	2.0	1.0	1.9
10 M05-363126	9	HR	58	LR	3.5	3.3	3.1

A11 (res) 1.2 1.0
Dwight (sus) 2.8 1.7
LSD 1.0 1.3

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Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank							
		11		2		9	10	9	10	11	10	10
1 MN1410		39.7	8	51.7	5	9/12	1.4	34	1.3	15.8	36.0	18.6
2 IA1022 (SCN)		53.3	1	57.7	1	5	1.9	38	1.2	15.5	33.0	19.9
3 Sheyenne (0)		32.4	10	46.8	10	-6	1.2	33	1.6	14.6	34.4	19.1
4 AR09-191018		52.8	2	54.2	4	5	1.5	39	1.3	15.4	34.3	19.7
5 AR10-105002		51.1	3	56.5	2	7	1.0	34	1.4	15.8	34.8	19.2
6 M05-350013		36.7	9	49.4	8	2	1.5	36	1.3	14.4	36.1	18.4
7 M05-353086		50.5	4	55.1	3	2	1.1	33	1.6	16.5	35.1	18.3
8 M05-353151		44.9	6	48.7	9	-1	1.3	33	1.3	15.7	35.5	18.1
9 M05-357149		48.2	5	51.6	6	5	1.6	38	1.4	14.8	35.4	18.8
10 M05-363126		43.7	7	49.5	7	3	1.2	36	1.4	16.9	35.3	18.3

2 year summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank							
		23		5		20	21	20	19	22	20	20
1 MN1410		42.7	6	49.5	5	9/14	1.5	34	1.6	15.5	35.5	18.8
2 IA1022 (SCN)		53.0	2	53.7	2	7	1.8	36	1.3	15.0	32.7	19.7
3 Sheyenne (0)		36.4	7	47.2	6	-6	1.3	32	2.0	14.7	34.5	19.0
4 AR09-191018		53.6	1	53.3	4	6	1.6	38	1.4	14.9	34.3	19.3
5 AR10-105002		51.4	3	55.0	1	7	1.1	33	1.4	15.5	34.5	19.0
7 M05-353086		50.7	4	53.7	2	2	1.2	32	1.9	16.6	35.1	18.1
8 M05-353151		45.4	5	46.7	7	-2	1.4	32	1.7	15.6	35.4	18.0

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Yield (bu/a)

	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmouth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
SCN HG Type	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
Strain													
1 MN1410	54.2	48.7	55.5	38.9	29.0	46.7	35.9	23.9	20.2	35.2	48.8	27.3	76.0
2 IA1022 (SCN)	66.0	53.9	66.3	49.4	32.2	50.3	54.8	44.3	45.1	64.5	59.6	37.0	78.4
3 Sheyenne (0)	33.6	34.3	50.8	41.9	27.1	43.2	15.9	19.0	13.6	33.6	43.3	23.4	70.2
4 AR09-191018	69.4	59.2	63.5	41.7	32.0	48.6	51.7	36.5	40.4	65.2	72.7	32.6	75.8
5 AR10-105002	58.0	56.5	57.2	47.3	28.2	44.2	55.7	39.7	53.7	60.8	61.0	36.4	76.5
6 M05-350013	47.0	37.8	50.1	40.8	22.9	44.0	37.3	26.1	21.7	34.5	41.3	27.4	71.3
7 M05-353086	55.2	52.0	58.2	42.3	30.5	51.1	55.4	43.7	53.3	54.7	59.2	34.5	75.6
8 M05-353151	55.8	50.8	55.0	40.6	31.5	40.8	44.3	28.2	39.1	54.1	54.1	27.2	70.1
9 M05-357149	61.8	50.4	60.4	40.5	27.5	46.8	52.6	33.2	38.2	60.7	58.8	24.3	78.8
10 M05-363126	50.8	53.3	47.0	44.7	31.0	46.8	38.4	32.6	20.4	57.0	58.5	24.2	74.8
Average	55.2	49.7	56.4	42.8	29.2	46.3	44.2	32.7	34.6	52.0	55.7	29.4	74.8
LSD(.05)	15.2	8.3	8.0	7.6	5.5	5.2	15.1	6.4	18.5	5.9	8.1	9.2	4.9
C.V. %	12.2	7.4	6.6	11.0	11.2	6.9	13.6	7.7	21.3	5.4	6.9	14.9	4.7
Replications	2	2	2	3	3	3	2	2	2	3	3	2	3
Row width (in.)	30	30	30	30	30	30	30	30	30	24	24	30	17

Yield (rank)

	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmouth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
SCN HG Type	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
Strain													
1 MN1410	7	8	6	10	6	6	9	9	9	8	8	6	4
2 IA1022 (SCN)	2	3	1	1	1	2	3	1	3	2	3	1	2
3 Sheyenne (0)	10	10	8	5	9	9	10	10	10	10	9	10	9
4 AR09-191018	1	1	2	6	2	3	5	4	4	1	1	4	5
5 AR10-105002	4	2	5	2	7	7	1	3	1	3	2	2	3
6 M05-350013	9	9	9	7	10	8	8	8	7	9	10	5	8
7 M05-353086	6	5	4	4	5	1	2	2	2	6	4	3	6
8 M05-353151	5	6	7	8	3	10	6	7	5	7	7	7	10
9 M05-357149	3	7	3	9	8	4	4	5	6	4	5	8	1
10 M05-363126	8	4	10	3	4	5	7	6	8	5	6	9	7

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Maturity

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmouth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410		9/14	9/07	9/15	9/16	9/15	9/09			9/11	9/08	8/22*	9/12
2 IA1022 (SCN)		-1	8	6	3	2	4			6	12	8	8
3 Sheyenne (0)		-12	-5	-8	-6	-6	-9			-5	-3	-4	-4
4 AR09-191018		4	6	4	0	4	0			7	11	9	6
5 AR10-105002		5	9	8	5	3	4			8	11	16	8
6 M05-350013		0	5	2	-2	1	1			5	4	2	5
7 M05-353086		1	3	4	3	-1	-1			2	9	10	1
8 M05-353151		-3	-1	-2	2	-3	-5			-1	3	1	-1
9 M05-357149		0	8	4	4	-1	1			9	10	8	11
10 M05-363126		1	1	2	1	1	0			4	10	4	6
Planted	5/16	5/17	5/16	5/18	5/17	5/15	5/22	5/23	5/23	5/23	5/24	5/15	5/22

*Data not included when calculating means for summary table.

Lodging (score)

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmouth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410	1.3	1.8	1.3	2.0	1.0	1.0				1.0	1.0	1.0	2.3
2 IA1022 (SCN)	2.0	1.8	2.8	3.0	1.0	1.0				1.3	1.3	1.8	2.7
3 Sheyenne (0)	1.3	1.5	1.8	1.0	1.0	1.0				1.0	1.0	1.0	1.7
4 AR09-191018	1.8	1.8	2.0	1.0	1.0	1.0				1.2	1.3	1.0	2.7
5 AR10-105002	1.0	1.0	1.3	1.0	1.0	1.0				1.0	1.0	1.0	1.0
6 M05-350013	2.0	2.0	1.8	2.0	1.0	1.0				1.0	1.0	1.5	2.0
7 M05-353086	1.0	1.0	1.5	1.0	1.0	1.0				1.0	1.0	1.0	1.0
8 M05-353151	1.0	1.5	2.0	1.0	1.0	1.0				1.2	1.0	1.0	2.0
9 M05-357149	1.8	2.0	2.5	1.0	1.0	1.0				1.3	1.3	1.3	2.7
10 M05-363126	1.5	1.3	1.3	1.0	1.0	1.0				1.0	1.2	1.0	1.7

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Height (inches)

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmuth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410	39	36	37	37	25					32	30	33	39
2 IA1022 (SCN)	40	37	40	40	34					38	34	35	41
3 Sheyenne (0)	33	34	36	35	31					30	28	29	38
4 AR09-191018	45	37	43	35	33					43	41	31	44
5 AR10-105002	36	32	38	33	29					33	32	32	41
6 M05-350013	42	39	43	36	33					28	31	31	40
7 M05-353086	34	31	37	32	35					29	31	30	38
8 M05-353151	37	32	35	34	33					32	28	30	40
9 M05-357149	44	35	41	36	35					37	34	32	45
10 M05-363126	39	34	40	38	36					34	32	29	41

Seed Quality (score)

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmuth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410	1.0	2.0	1.0	1.0	1.0	1.0				1.0	1.3	3.0	1.0
2 IA1022 (SCN)	1.0	1.0	2.0	1.0	1.0	1.0				1.0	1.0	2.0	1.0
3 Sheyenne (0)	2.0	2.0	2.0	1.0	1.0	1.0				1.3	1.7	3.0	1.0
4 AR09-191018	2.0	1.0	2.0	1.0	1.0	1.0				1.0	1.0	2.0	1.0
5 AR10-105002	2.0	2.0	2.0	1.0	1.0	1.0				1.3	1.0	2.0	1.0
6 M05-350013	2.0	1.0	1.0	1.0	1.0	1.0				1.0	1.3	3.0	1.0
7 M05-353086	2.0	2.0	2.0	1.0	1.0	1.0				2.0	1.0	3.0	1.0
8 M05-353151	1.0	2.0	1.0	1.0	1.0	1.0				1.0	1.0	3.0	1.0
9 M05-357149	1.0	2.0	1.0	1.0	1.0	1.0				2.0	1.0	3.0	1.0
10 M05-363126	2.0	1.0	2.0	1.0	1.0	1.0				1.3	1.0	3.0	1.0

Seed Weight (g/100)

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmuth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410	17.7	16.5	16.9	13.5	16.6	14.8			14.4	16.6	15.6	12.1	18.8
2 IA1022 (SCN)	15.9	14.3	17.4	13.7	16.1	14.2			14.4	17.8	16.6	12.5	18.0
3 Sheyenne (0)	15.3	13.8	17.2	12.1	13.6	13.3			14.4	16.1	15.3	12.1	17.6
4 AR09-191018	15.7	16.6	15.4	13.9	14.7	14.4			14.3	17.6	16.3	13.2	17.8
5 AR10-105002	15.9	15.7	17.4	14.2	15.2	12.7			15.8	17.6	17.6	13.5	18.3
6 M05-350013	15.3	14.2	14.6	12.6	14.6	14.2			13.8	15.2	14.1	12.3	17.2
7 M05-353086	16.4	16.7	17.3	14.9	16.4	15.6			14.9	18.2	18.1	14.2	19.0
8 M05-353151	16.1	16.5	16.2	13.9	15.2	14.8			14.9	17.1	16.7	13.0	18.4
9 M05-357149	14.9	14.8	15.7	13.5	12.3	13.2			13.5	18.2	16.0	12.1	18.8
10 M05-363126	16.9	18.1	18.3	15.9	12.7	16.4			17.5	18.7	17.4	13.4	20.6

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Protein (%)

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmouth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410	35.1		35.8	35.4	39.1	34.0			35.0	35.8	37.3	34.2	38.7
2 IA1022 (SCN)	29.9		33.4	32.2	34.9	32.3			32.8	33.1	34.7	31.1	35.4
3 Sheyenne (0)	34.1		34.2	34.1	35.2	33.0			33.6	34.5	35.0	33.2	37.0
4 AR09-191018	32.2		33.9	33.5	35.5	33.9			34.1	35.3	35.4	32.1	37.3
5 AR10-105002	32.8		34.2	34.1	36.3	34.1			34.0	35.6	36.2	34.2	36.9
6 M05-350013	34.3		34.5	35.2	37.0	34.6			36.4	37.4	37.4	35.1	39.0
7 M05-353086	32.8		33.9	34.4	36.0	34.4			34.7	35.9	37.1	33.5	38.4
8 M05-353151	33.7		35.4	34.7	35.7	33.9			34.6	36.3	37.1	34.8	38.5
9 M05-357149	32.5		34.2	34.5	36.9	34.3			35.2	36.0	35.8	36.2	38.1
10 M05-363126	33.8		35.1	34.5	36.4	34.3			35.0	35.7	35.8	34.6	37.7

Oil (%)

SCN HG Type	Lawler	Mason City	Dekalb	Gaylord	Lamberton	Waseca	Columbus	Plattsmouth	Waterloo	Chatham	Harrow	Urbana	Ridgetown
	IA	IA	IL	MN	MN	MN	NE	NE	NE	ON	ON	IL	ON
Strain	2.5.7	2.5.7	1.2.5.7	2.5.7	2.5.7	2.7	I	0	I	2.5.7	2.5.7	NI	NI
1 MN1410	18.5		18.7	18.5	17.6	19.4			19.1	19.3	18.1	19.8	17.3
2 IA1022 (SCN)	19.1		19.7	19.9	19.4	20.0			19.5	20.9	19.9	21.3	19.1
3 Sheyenne (0)	19.1		19.2	18.3	19.3	19.3			19.0	19.7	19.1	20.8	17.7
4 AR09-191018	19.2		20.1	19.9	19.4	19.7			19.1	19.8	19.7	21.5	18.4
5 AR10-105002	18.6		19.2	19.1	18.7	19.8			19.7	19.3	19.2	20.1	18.4
6 M05-350013	19.0		19.2	18.2	18.0	19.0			18.5	18.1	17.6	19.7	17.0
7 M05-353086	17.9		19.0	18.2	18.5	18.7			17.9	18.4	17.4	20.0	16.7
8 M05-353151	17.9		18.1	18.3	18.5	18.6			18.3	18.0	17.5	18.9	16.7
9 M05-357149	19.8		18.7	18.8	18.2	19.0			18.4	19.1	19.0	18.9	17.7
10 M05-363126	17.9		18.8	18.2	18.0	18.3			18.2	18.8	18.5	18.6	17.6