

2015 SCN UNIFORM TEST I

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 MN1410	WGbf	Unknown	10	F5	None	
2 IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	8	F5	PI 88788	
3 Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	7	F4	None	Rsp1-c
4 AR13-131003	PGibl	AR05-250101 x PI 567516C	14 SCN P I	F5	PI 567516C,88788	IDC
5 M07-209037	WGY	M90-184111 x MN0606CN	2	F5	PI 88788	
6 M07-297007	P+WTbl	MN0902CN x LD02-5320	1	F5	PI 88788	
7 M08-359087	WTy	M02-391112 x MN1701CN	14 SCN P I	F5	PI 88788,209332	
8 M08-362051	PGy	MN0606CN x U03-100612	14 SCN P I	F5	PI 88788	
9 M08-365100	PGibl	M90-184111 x U03-100612	14 SCN P I	F5	PI 88788	
10 U11-917032	PTbl	LD02-4485 x U03-100612	1	F6	PI 88788	

Entry	IL SCN screening				ISU IDC	MN IDC	SIU SDS
	HG 0		HG 2.5.7		Ames	Darvers	Valmeyer
	Fl (Lee 74)	rating	Fl (Lee 74)	rating	score	score	DX
1 MN1410	75	NR	55	LR	2.3	4.0	18
2 IA1022 (SCN)	16	R	13	R	2.5	4.9	21
3 Sheyenne (0)	81	NR	62	NR	1.4	2.5	1
4 AR13-131003	4	HR	16	R	2.0	3.8	6
5 M07-209037	2	HR	7	HR	2.0	3.3	2
6 M07-297007	4	HR	19	R	2.3	3.3	1
7 M08-359087	11	R	19	R	1.3	3.3	3
8 M08-362051	1	HR	6	HR	2.3	3.3	1
9 M08-365100	6	HR	25	MR	2.4	3.3	0
10 U11-917032	6	HR	8	HR	2.8	3.0	0

A11 (res) 1.4 1 MN 1606SP (int)
 IA3049 (sus) 2.5 17 Myc 5171 (sus)
 14 LSD

2015 Summary

Entry	Yield						Maturity date	Lodging score	Height in.	Seed			
	All		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
Locations	bu/a	rank	bu/a	rank	bu/a	rank							
1 MN1410	48.6	9	48.6	9	0		9/15	1.5	31	1.6	15.7	36.0	18.8
2 IA1022 (SCN)	56.8	8	56.8	8			5	1.6	31	1.5	15.7	33.1	20.2
3 Sheyenne (0)	40.2	10	40.2	10			-5	1.2	26	2.0	15.2	35.5	18.8
4 AR13-131003	60.9	1	60.9	1			6	1.6	32	1.1	17.7	33.9	19.6
5 M07-209037	60.7	2	60.7	2			4	1.6	30	1.4	15.6	32.6	20.0
6 M07-297007	58.8	5	58.8	5			6	1.5	32	1.3	15.0	36.4	18.4
7 M08-359087	56.9	7	56.9	7			4	1.9	32	1.5	15.9	34.9	19.1
8 M08-362051	58.5	6	58.5	6			6	1.6	29	1.4	14.9	34.8	18.8
9 M08-365100	60.5	3	60.5	3			8	1.7	31	1.2	17.0	34.5	19.9
10 U11-917032	60.1	4	60.1	4			7	1.6	30	1.3	16.4	33.7	19.9
Mean	56.2		56.2				18.8	1.6	30.3	1.4	15.9	34.6	19.3
LSD(.05)	3.4		3.4				0.7	0.2	1.3				
C.V. %	11.8		11.8				6.5	17.9	8.3				
Replications	26		26				24	23	26				

2 year summary

Entry	Yield						Maturity date	Lodging score	Height in.	Seed			
	All		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
Locations	bu/a	rank	bu/a	rank	bu/a	rank							
1 MN1410	50.5	5	50.3	5	54.1	4	9/17	1.8	34	1.6	16.6	36.2	18.3
2 IA1022 (SCN)	57.2	3	57.3	3	56.4	3	5	1.7	32	1.7	16.9	33.3	19.7
3 Sheyenne (0)	41.6	6	41.3	6	46.8	6	-6	1.4	28	2.1	16.1	35.5	18.4
5 M07-209037	57.8	2	58.3	2	48.6	5	4	1.9	31	1.7	16.7	32.9	19.4
6 M07-297007	57.0	4	56.8	4	61.6	2	5	1.7	34	1.4	15.9	37.2	17.7
10 U11-917032	58.8	1	58.5	1	64.1	1	6	1.8	31	1.4	17.2	34.0	19.3

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Yield (bu/a)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	52.3	59.0	54.1	48.0	19.7	40.7	49.2	63.9	41.0	58.9
2 IA1022 (SCN)	60.5	70.0	49.7	52.9	43.9	53.6	51.0	73.2	44.8	67.4
3 Sheyenne (0)	40.1	60.0	37.5	43.5	14.8	34.1	34.0	45.0	38.3	54.1
4 AR13-131003	58.6	68.5	63.5	56.2	51.1	53.7	61.9	78.5	48.0	66.2
5 M07-209037	58.1	73.5	53.6	56.1	65.1	58.3	55.3	76.7	42.4	62.1
6 M07-297007	60.7	62.3	65.1	61.6	51.7	47.5	55.2	74.0	44.4	64.3
7 M08-359087	58.0	66.6	61.9	53.4	55.8	49.9	56.2	72.3	38.4	60.1
8 M08-362051	58.9	67.5	60.7	57.3	55.6	52.8	56.4	71.0	42.3	65.0
9 M08-365100	57.3	63.9	64.9	68.1	53.9	47.7	57.4	72.0	49.2	64.8
10 U11-917032	68.1	65.5	70.5	60.6	51.9	45.8	64.0	67.1	41.1	61.4
Average	57.3	65.7	58.1	55.7	46.4	48.4	54.1	69.4	43.0	62.4
LSD(2-sided,.05)	7.8	4.1	17.3	8.7	8.7	10.6	9.6	15.1	14.7	9.0
C.V. %	6.0	2.8	13.1	6.9	11.0	12.7	10.3	12.6	20.0	8.4
Replications	2	2	2	2	3	3	3	3	3	3
Row spacing (in.)	30	30	30	30	30	30	30	17	24	24

Yield (rank)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	9	10	7	9	9	9	9	9	8	9
2 IA1022 (SCN)	3	2	9	8	8	3	8	4	3	1
3 Sheyenne (0)	10	9	10	10	10	10	10	10	10	10
4 AR13-131003	5	3	4	5	7	2	2	1	2	2
5 M07-209037	6	1	8	6	1	1	6	2	5	6
6 M07-297007	2	8	2	2	6	7	7	3	4	5
7 M08-359087	7	5	5	7	2	5	5	5	9	8
8 M08-362051	4	4	6	4	3	4	4	7	6	3
9 M08-365100	8	7	3	1	4	6	3	6	1	4
10 U11-917032	1	6	1	3	5	8	1	8	7	7

Maturity

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	9/21		9/14	8/24	9/17	9/22	9/18	8/31	9/17	10/01
2 IA1022 (SCN)	3		3	2	3	5	10	7	10	4
3 Sheyenne (0)	-9		-6	-3	-5	-7	-8	-5	-1	-5
4 AR13-131003	1		7	3	3	6	8	7	11	6
5 M07-209037	2		2	1	3	9	5	7	9	3
6 M07-297007	2		4	3	3	9	8	8	10	4
7 M08-359087	1		5	2	1	7	5	7	6	3
8 M08-362051	3		7	2	1	10	10	7	8	4
9 M08-365100	5		8	6	5	11	11	9	11	9
10 U11-917032	5		9	2	7	7	11	9	10	5
Planted	5/13	5/22	5/22	5/08	5/21	5/20	5/13	5/13	6/05	6/12

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Lodging (score)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	2.3	2.3	1.5	1.0		1.0	2.0	1.3	1.0	1.0
2 IA1022 (SCN)	2.3	2.5	1.8	1.8		1.0	2.0	1.3	1.0	1.0
3 Sheyenne (0)	1.8	2.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0
4 AR13-131003	2.3	2.5	1.5	1.5		1.0	2.0	2.0	1.0	1.0
5 M07-209037	2.3	2.5	1.5	1.8		1.0	2.0	1.7	1.0	1.0
6 M07-297007	2.3	2.0	1.5	1.8		1.0	2.0	1.3	1.0	1.0
7 M08-359087	2.5	3.0	1.8	2.5		1.0	2.0	2.3	1.0	1.0
8 M08-362051	2.5	2.5	1.5	1.0		2.0	2.0	1.0	1.0	1.0
9 M08-365100	2.3	2.0	1.8	2.3		1.0	2.0	2.0	1.0	1.0
10 U11-917032	2.5	2.5	1.8	1.3		1.0	2.0	1.7	1.0	1.0

Height (inches)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	34	37	30	35	29	30	30	33	23	35
2 IA1022 (SCN)	34	39	27	33	27	29	29	34	25	33
3 Sheyenne (0)	26	36	25	30	24	26	22	20	18	29
4 AR13-131003	33	39	29	33	28	32	32	35	28	34
5 M07-209037	30	36	22	31	31	29	29	38	21	31
6 M07-297007	31	40	29	34	32	32	31	35	22	35
7 M08-359087	32	40	30	37	30	30	30	38	24	34
8 M08-362051	33	38	27	29	29	30	27	30	19	31
9 M08-365100	31	36	28	35	32	31	29	31	21	33
10 U11-917032	32	34	25	29	33	28	28	31	25	32

Seed Quality (score)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	2.0		1.0	3.0	2.0	1.0	1.0	1.7	1.7	1.0
2 IA1022 (SCN)	1.0		1.0	2.0	1.0	2.0	1.0	1.3	2.0	2.0
3 Sheyenne (0)	2.0		2.0	4.0	2.0	2.0	1.0	1.3	2.0	1.7
4 AR13-131003	1.0		1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
5 M07-209037	2.0		1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
6 M07-297007	1.0		1.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0
7 M08-359087	2.0		1.0	3.0	1.0	1.0	1.0	1.3	1.0	2.0
8 M08-362051	1.0		1.0	2.0	2.0	1.0	2.0	1.0	1.3	1.0
9 M08-365100	1.0		1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
10 U11-917032	1.0		1.0	2.0	1.0	2.0	1.0	1.7	1.0	1.0

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Seed Weight (g/100)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	15.0		15.3	15.9	15.0	15.0	15.9	18.9	12.2	18.4
2 IA1022 (SCN)	13.8		13.2	15.9	15.7	16.7	14.8	17.9	15.2	18.5
3 Sheyenne (0)	14.6		14.9	18.8	13.1	13.6	16.2	17.1	12.4	16.5
4 AR13-131003	16.4		17.0	16.6	16.0	17.8	16.4	20.9	18.4	19.8
5 M07-209037	14.3		14.6	15.9	14.2	17.0	15.5	18.1	14.3	16.4
6 M07-297007	13.6		13.6	16.3	14.4	15.1	14.0	17.2	12.7	18.0
7 M08-359087	14.6		15.2	15.7	15.2	16.5	14.9	18.3	14.7	17.6
8 M08-362051	13.8		14.0	14.6	13.6	16.7	14.6	17.8	13.0	16.0
9 M08-365100	15.5		15.8	16.5	16.8	19.0	16.8	18.0	15.3	19.1
10 U11-917032	15.8		16.0	15.9	16.1	15.7	15.9	18.1	16.3	18.0

Protein (%)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	35.8		34.0	36.7	37.9	35.3	34.4	37.1	36.6	36.6
2 IA1022 (SCN)	34.1		30.1	33.5	33.9	33.0	31.2	34.0	33.4	34.9
3 Sheyenne (0)	35.5		36.1	37.4	35.5	32.6	34.4	36.6	35.6	35.8
4 AR13-131003	34.3		31.9	32.7	33.9	33.8	34.1	35.3	34.2	35.3
5 M07-209037	31.3		30.8	33.9	32.1	33.5	30.1	34.5	33.0	34.5
6 M07-297007	36.6		34.9	36.6	36.7	34.7	34.3	38.4	36.3	39.1
7 M08-359087	33.5		32.7	37.4	34.6	34.1	33.4	36.1	35.1	37.3
8 M08-362051	35.1		32.8	34.0	34.3	35.2	33.4	36.1	35.5	36.9
9 M08-365100	34.2		30.9	34.1	35.4	34.4	33.3	35.5	35.0	37.5
10 U11-917032	32.5		32.9	32.5	34.9	33.5	32.0	34.5	34.5	35.8

Oil (%)

Strain	Mason City	Newell	Dekalb	Urbana	Fairfax	Lamberton	Waseca	Ridgetown	Chatham	Harrow
	IA	IA	IL	IL	MN	MN	MN	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf	Inf	2.7	2.5.7
1 MN1410	18.9		19.2	20.3	17.3	18.6	19.6	18.7	18.1	18.5
2 IA1022 (SCN)	19.5		21.4	20.7	19.7	20.3	19.3	20.6	21.0	19.6
3 Sheyenne (0)	18.9		19.2	19.4	18.8	18.6	19.0	18.4	18.4	18.3
4 AR13-131003	19.2		20.1	20.2	18.6	19.4	19.8	19.6	20.2	19.1
5 M07-209037	20.0		20.2	20.6	20.0	19.5	19.6	19.7	20.7	19.3
6 M07-297007	18.2		19.1	19.0	18.2	18.2	19.0	17.6	19.1	17.1
7 M08-359087	19.1		19.5	19.8	18.9	18.7	19.4	19.0	19.7	18.3
8 M08-362051	18.5		20.3	20.7	18.1	17.8	18.5	18.5	19.0	17.5
9 M08-365100	20.4		20.9	20.9	20.0	18.7	19.0	20.4	20.4	18.7
10 U11-917032	18.5		20.2	21.4	19.5	20.1	20.4	19.8	20.4	18.9