

2015 SCN UNIFORM TEST 00

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 MN0071 (00)	PTbr	Harmony x OT92-8	1	F5	none	Rps1
2 Henson	PTbl	ND03-5672 x Hamlin	New	F4	none	Rps6
3 MN0095	PGibl	M92-270029 x M93-313135	1	F5	none	Rps1
4 MN0208CN	WTy	MN0902CN X MN0201	1	F5	PI 88788	Rps1a
5 M07-292111	WTgr	M01-315029 x MN1106CN	14 SCN U0	F5	PI 88788	
6 M08-359053	PTy	M02-391112 x MN1710CN	1	F5	PI 88788,209332	
7 M08-359176	WTy	M02-391112 x MN1701CN	1	F5	PI 88788,209332	
8 ND11-19539	WTy	Shyenne x ND04-11111	New	F4	PI 88788	Rps6
9 ND11-19725	PTbr	ND03-7566 x ND03-5441	New	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 MN0071 (00)	55	LR	70	NR	1.8
2 Henson	79	NR	82	NR	1.5
3 MN0095	25	MR	40	LR	1.0
4 MN0208CN	10	HR	29	MR	1.0
5 M07-292111	5	HR	25	MR	1.8
6 M08-359053	29	MR	19	R	1.5
7 M08-359176	9	HR	31	MR	2.8
8 ND11-19539	78	NR	61	NR	1.0
9 ND11-19725	12	R	30	MR	1.3

Summary

Entry	Yield									Seed				
	Locations	All		Infested		Non-infested		Maturity date	Lodging score	Height in.	quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank	bu/a	rank							
1 MN0071 (00)	4	29.4	9	25.2	8	33.7	9	9/06	1.3	21	2.0	15.6	34.2	20.0
2 Henson		32.2	7	27.8	6	36.7	8	4	1.3	22	1.9	16.9	34.1	18.8
3 MN0095		36.8	1	29.8	4	43.9	1	4	1.3	22	1.7	13.4	34.4	19.6
4 MN0208CN		35.7	2	31.5	1	40.0	5	5	1.3	25	1.9	14.1	36.1	18.6
5 M07-292111		35.3	3	30.5	3	40.1	4	5	1.3	25	1.3	13.8	35.8	18.8
6 M08-359053		35.1	4	31.0	2	39.2	6	8	1.4	25	1.3	16.0	35.6	18.9
7 M08-359176		33.2	6	28.0	5	38.3	7	4	1.3	25	2.0	15.3	36.8	18.6
8 ND11-19539		32.0	8	23.3	9	40.8	3	3	1.3	22	1.7	15.6	34.9	19.0
9 ND11-19725		34.4	5	27.4	7	41.4	2	4	1.3	26	1.3	15.2	35.8	19.3
Mean		33.8		28.3		39.3		9.9	1.3	23.7	1.7	15.1	35.3	19.1
LSD(.05)		4.1		6.0		5.1		1.4	0.1	1.4				
C.V. %		15.1		18.0		11.1		21.1	16.8	7.2				
Replications		12		6		6		12	12	9				

2 year summary

Entry	Yield									Seed				
	Locations	All		Infested		Non-infested		Maturity date	Lodging score	Height in.	quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank	bu/a	rank							
1 MN0071 (00)	7	31.7	5	26.3	5	39.0	5	9/09	1.1	23	1.9	15.3	34.5	18.4
3 MN0095		41.8	1	34.7	3	51.2	1	4	1.3	24	1.8	13.5	34.1	18.1
4 MN0208CN		39.8	2	35.8	2	45.2	3	6	1.5	27	1.7	14.2	35.9	17.8
6 M08-359053		39.7	3	35.9	1	44.8	4	8	2.4	27	1.7	16.3	35.1	17.8
7 M08-359176		39.1	4	34.0	4	45.9	2	5	1.3	26	2.0	15.5	36.8	17.3

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Yield (bu/a)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
SCN HG Type	2.5.7	7	NI	NI
Strain				
1 MN0071 (00)	34.2	16.2	32.8	34.7
2 Henson	34.5	21.0	34.2	39.2
3 MN0095	33.5	26.0	39.7	48.0
4 MN0208CN	33.9	29.1	40.4	39.4
5 M07-292111	31.3	29.7	37.1	43.0
6 M08-359053	33.9	28.2	37.2	41.1
7 M08-359176	34.6	21.4	40.6	35.9
8 ND11-19539	28.7	17.9	40.5	41.1
9 ND11-19725	31.5	23.4	38.5	44.3
Average	32.9	23.7	37.8	40.7
LSD(2-sided,.05)	10.9	6.2	7.1	7.7
C.V. %	19.1	15.1	10.8	11.0
Replications	3	3	3	3
Row spacing (in.)	30	30	30	15.75

Yield (rank)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
SCN HG Type	2.5.7	7	NI	NI
Strain				
1 MN0071 (00)	3	9	9	9
2 Henson	2	7	8	7
3 MN0095	6	5	4	1
4 MN0208CN	4	3	3	6
5 M07-292111	8	1	7	3
6 M08-359053	4	1	6	4
7 M08-359176	1	6	1	8
8 ND11-19539	9	8	2	5
9 ND11-19725	7	4	5	2

Maturity

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
SCN HG Type	2.5.7	7	NI	NI
Strain				
1 MN0071 (00)	9/09	9/02	9/09	9/03
2 Henson	0	6	6	6
3 MN0095	0	9	2	6
4 MN0208CN	5	11	0	8
5 M07-292111	0	11	2	8
6 M08-359053	5	11	5	14
7 M08-359176	0	7	5	6
8 ND11-19539	2	6	0	7
9 ND11-19725	5	9	0	6
Planted	5/27	5/22	5/27	5/20

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Lodging (score)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
2.5.7		7	NI	NI
Strain				
1 MN0071 (00)	1.0	1.0	2.0	1.0
2 Henson	1.0	1.0	2.0	1.0
3 MN0095	1.0	1.0	2.0	1.0
4 MN0208CN	1.0	1.0	2.0	1.3
5 M07-292111	1.0	1.0	2.0	1.0
6 M08-359053	1.7	1.0	2.0	1.0
7 M08-359176	1.0	1.0	2.0	1.0
8 ND11-19539	1.0	1.0	2.0	1.0
9 ND11-19725	1.0	1.0	2.0	1.0

Height (inches)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
2.5.7		7	NI	NI
Strain				
1 MN0071 (00)	21		20	22
2 Henson	20		24	21
3 MN0095	21		25	21
4 MN0208CN	23		25	27
5 M07-292111	25		24	26
6 M08-359053	24		24	27
7 M08-359176	25		25	26
8 ND11-19539	21		23	22
9 ND11-19725	27		27	25

Seed Quality (score)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
2.5.7		7	NI	NI
Strain				
1 MN0071 (00)	2.0		2.0	2.0
2 Henson	2.0		2.0	1.7
3 MN0095	2.0		2.0	1.0
4 MN0208CN	2.0		2.0	1.7
5 M07-292111	1.0		1.0	2.0
6 M08-359053	1.0		1.0	2.0
7 M08-359176	2.0		2.0	2.0
8 ND11-19539	2.0		1.0	2.0
9 ND11-19725	2.0		1.0	1.0

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Seed Weight (g/100)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
2.5.7		7	NI	NI
Strain				
1 MN0071 (00)	13.5		14.0	19.4
2 Henson	14.7		14.1	21.8
3 MN0095	11.5		11.8	16.9
4 MN0208CN	12.5		12.2	17.5
5 M07-292111	11.4		12.0	17.9
6 M08-359053	13.8		13.7	20.6
7 M08-359176	13.2		13.6	19.0
8 ND11-19539	12.7		14.3	19.9
9 ND11-19725	13.0		13.6	19.0

Protein (%)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
2.5.7		7	NI	NI
Strain				
1 MN0071 (00)	34.8		33.9	33.8
2 Henson	33.6		33.7	34.9
3 MN0095	34.5		34.3	34.5
4 MN0208CN	35.1		35.7	37.6
5 M07-292111	34.3		36.6	36.5
6 M08-359053	33.5		36.2	37.1
7 M08-359176	36.5		36.5	37.4
8 ND11-19539	36.0		34.7	34.1
9 ND11-19725	34.6		35.8	37.0

Oil (%)

SCN HG Type	Downer	Hankinson	Gary	Ottawa
	MN	ND	MN	ON
2.5.7		7	NI	NI
Strain				
1 MN0071 (00)	20.1		19.9	19.9
2 Henson	19.5		18.0	19.0
3 MN0095	19.5		20.0	19.2
4 MN0208CN	18.8		18.7	18.3
5 M07-292111	18.9		18.9	18.7
6 M08-359053	19.3		19.1	18.3
7 M08-359176	18.3		19.2	18.2
8 ND11-19539	18.3		19.4	19.3
9 ND11-19725	18.9		20.9	18.0