

2018 SCN UNIFORM TEST 00

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 MN0083	WTy	NA	New	F5		
2 MN0095	PGibl	M92-270029 x M93-313135	3	F5	none	Rps1
3 ND Henson	PTbl	ND03-5672 x Hamlin	2	F4	none	Rps6
4 MN0208CN	WTy	MN0902CN x MN0201	3	F5	PI 88788	Rps1a
5 M12-357057	WTy	ND07-4635 x M06-274098	New	F5	PI 88788	
6 M12-366065	WTy	M07-211456 x M06-310036	New	F5	PI 88788	
7 MCH13-108037	PTbr	M05-350061 x SD06-322	New	F5	PI 88788	
8 MCH13-109053	WTbr+y	M06-289264 x M06-380029	New	F5	PI 88788	
9 MCH13-109062	P+WTy	M06-289264 x M06-380029	New	F5	PI 88788	

Entry	IL SCN screening									
	cyst counts			HG 0		cyst counts			HG 2.5.7	
	rep1	rep2	rep3	FI	rating	rep1	rep2	rep3	FI	rating
1 MN0083	274	144	279	77	NR	192	152	135	79	NR
2 MN0095	130	102	140	41	LR	202	194	151	90	NR
3 ND Henson	219	208	189	68	NR	145	143	136	70	NR
4 MN0208CN	30	35	19	9	HR	133	127	121	63	NR
5 M12-357057	9	1	33	5	HR	137	118	148	47	LR
6 M12-366065	23	40	31	10	R	105	76	136	52	LR
7 MCH13-108037	15	51	21	10	R	201	186	177	93	NR
8 MCH13-109053	85	107	125	35	MR	187	169	167	86	NR
9 MCH13-109062	34	21	18	17	R	156	119	105	62	NR

2018 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 MN0083		3		2		1		3	3	2	2	2	2	2	
2 MN0095		40.7	9	40.3	8	41.7	9	9/07	1.0	20	1.9	15.8	37.3	17.2	
3 ND Henson		46.6	5	42.9	6	53.9	2	3	1.0	20	2.0	14.5	36.1	18.1	
4 MN0208CN		44.4	7	40.9	7	51.3	7	3	1.0	19	2.2	18.1	35.8	18.1	
5 M12-357057		45.8	6	42.9	5	51.6	6	4	1.1	24	2.4	14.6	37.6	17.3	
6 M12-366065		47.2	4	45.6	3	50.2	8	1	1.0	20	2.9	16.4	37.3	16.1	
7 MCH13-108037		56.4	1	54.5	1	60.1	1	8	1.7	21	1.9	15.8	35.1	18.0	
8 MCH13-109053		44.0	8	39.6	9	52.8	3	7	1.1	25	1.5	17.9	37.8	17.7	
9 MCH13-109062		48.7	2	47.0	2	52.2	5	5	1.0	26	1.9	15.2	35.5	17.8	
		47.6	3	45.0	4	52.8	3	2	1.1	21	1.9	14.5	35.2	17.5	
Mean		46.8		44.3		51.8		10.3	1.1	21.7	2.0	15.8	36.4	17.5	
LSD(2-sided,.05)		4.0		3.9		6.7		1.2	0.2	4.7					
C.V. %		7.0		7.6		6.1		12.5	15.0	18.5					
Replications		9		6		3		9	9	6					

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Yield (bu/a)

SCN HG Type	Callaway	Wyndmere	Ottawa
	MN	ND	ON
Strain	2.5.7	2.5.7	NI
1 MN0083	34.7	45.8	41.7
2 MN0095	39.5	46.3	53.9
3 ND Henson	32.8	49.0	51.3
4 MN0208CN	38.0	47.8	51.6
5 M12-357057	39.7	51.6	50.2
6 M12-366065	40.9	68.2	60.1
7 MCH13-108037	40.3	38.8	52.8
8 MCH13-109053	37.8	56.1	52.2
9 MCH13-109062	39.0	51.0	52.8
Average	38.1	50.5	51.8
LSD(2-sided,.05)	6.5	5.8	6.7
C.V. %	10.1	6.6	6.1
Replications	3	3	3
Row spacing (in.)	30	30	15

Yield (rank)

SCN HG Type	Callaway	Wyndmere	Ottawa
	MN	ND	ON
Strain	2.5.7	2.5.7	NI
1 MN0083	8	8	9
2 MN0095	4	7	2
3 ND Henson	9	5	7
4 MN0208CN	6	6	6
5 M12-357057	3	3	8
6 M12-366065	1	1	1
7 MCH13-108037	2	9	3
8 MCH13-109053	7	2	5
9 MCH13-109062	5	4	3

Maturity

SCN HG Type	Callaway	Wyndmere	Ottawa
	MN	ND	ON
Strain	2.5.7	2.5.7	NI
1 MN0083	9/13	9/04	9/03
2 MN0095	2	2	6
3 ND Henson	-3	3	8
4 MN0208CN	2	6	5
5 M12-357057	0	2	2
6 M12-366065	0	11	12
7 MCH13-108037	5	6	9
8 MCH13-109053	2	5	8
9 MCH13-109062	0	2	4
Planted	5/26	5/14	5/16

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Lodging (score)

Strain	SCN HG Type	Callaway	Wyndmere	Ottawa
		MN	ND	ON
		2.5.7	2.5.7	NI
1 MN0083		1.0	1.0	1.0
2 MN0095		1.0	1.0	1.0
3 ND Henson		1.0	1.0	1.0
4 MN0208CN		1.0	1.3	1.0
5 M12-357057		1.0	1.0	1.0
6 M12-366065		1.0	3.0	1.0
7 MCH13-108037		1.0	1.3	1.0
8 MCH13-109053		1.0	1.0	1.0
9 MCH13-109062		1.0	1.3	1.0

Height (inches)

Strain	SCN HG Type	Callaway	Wyndmere	Ottawa
		MN	ND	ON
		2.5.7	2.5.7	NI
1 MN0083		20		20
2 MN0095		20		20
3 ND Henson		19		19
4 MN0208CN		19		28
5 M12-357057		20		21
6 M12-366065		19		24
7 MCH13-108037		20		29
8 MCH13-109053		29		24
9 MCH13-109062		20		23

Seed Quality (score)

Strain	SCN HG Type	Callaway	Wyndmere	Ottawa
		MN	ND	ON
		2.5.7	2.5.7	NI
1 MN0083		1.0		2.7
2 MN0095		1.0		3.0
3 ND Henson		2.0		2.3
4 MN0208CN		1.0		3.7
5 M12-357057		2.0		3.7
6 M12-366065		1.0		2.7
7 MCH13-108037		1.0		2.0
8 MCH13-109053		1.0		2.7
9 MCH13-109062		1.0		2.7

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Seed Weight (g/100)

Strain	SCN HG Type	Callaway	Wyndmere	Ottawa
		MN	ND	ON
		2.5.7	2.5.7	NI
1 MN0083		12.3		19.3
2 MN0095		11.3		17.7
3 ND Henson		13.7		22.4
4 MN0208CN		11.8		17.3
5 M12-357057		14.1		18.6
6 M12-366065		12.7		18.9
7 MCH13-108037		14.1		21.6
8 MCH13-109053		12.3		18.1
9 MCH13-109062		11.1		17.9

Protein (%)

Strain	SCN HG Type	Callaway	Wyndmere	Ottawa
		MN	ND	ON
		2.5.7	2.5.7	NI
1 MN0083		35.9		38.6
2 MN0095		35.3		36.8
3 ND Henson		34.0		37.5
4 MN0208CN		37.0		38.2
5 M12-357057		36.9		37.8
6 M12-366065		34.6		35.7
7 MCH13-108037		37.1		38.6
8 MCH13-109053		34.6		36.3
9 MCH13-109062		34.6		35.8

Oil (%)

Strain	SCN HG Type	Callaway	Wyndmere	Ottawa
		MN	ND	ON
		2.5.7	2.5.7	NI
1 MN0083		16.6		17.7
2 MN0095		17.7		18.4
3 ND Henson		17.7		18.5
4 MN0208CN		16.4		18.2
5 M12-357057		15.7		16.6
6 M12-366065		17.3		18.6
7 MCH13-108037		17.2		18.3
8 MCH13-109053		17.3		18.4
9 MCH13-109062		16.7		18.4