

2018 SCN Uniform Test 0

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 ND Stutsman	PGy	Sheyenne x LaMoire	14-16 UT 0	F4	none	
2 MN0095	PGibl	M92-270029 x M93-313135	7	F5	none	Rps1
3 MN0404CN	PTbl	MN0902CN x MN0304	New	F5		Rps1k
4 MN1410	WGbfb	Unknown	12	F5	none	
5 M08-362045L	WLTbl	MN0606CN x U03-100612	New	F5	PI 88788	
6 M12-354012	WLTy	AR10-205011 x ND07-4027	New	F5	PI 88788	
7 M12-386012	WGY	M06-289192 x M06-286029	New	F5	PI 88788	
8 M12-440084	MGy	PI638510 x M05-353086	New	F5	PI 88788	Diversity
9 MCH13-104189	PGbfb	M06-288181 x M06-358188	New	F5	PI 88788	
10 ND Benson	WGbfb	ND03-7566 x ND03-5441 x LaMoire	15-16 UT 0	F4	PI 88788	Rps6
11 ND14-2194	PGgr	ND07-4069 x ND07-3994	New	F4	PI 88788	Rps6
12 ND14-2671	WGY	ND07-4635 x ND03-7566	New	F4	PI 88788	
13 ND14-2678	WTy+br	ND07-4635 x ND03-7566	New	F4	PI 88788	
14 ND14-3606	WTbr	Duel x AR09-191050	New	F4	PI 88788	
15 ND14-3926	PGy+gr	Sheyenne x ND07-4635	New	F4	PI 88788	
16 ND14-4507	PMy	ND04-11421 x Sheyenne	New	F4	PI 88788	Rps1c

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 ND Stutsman	206	141	205	61	NR	85	148	135	60	NR
2 MN0095	130	102	140	41	LR	202	194	151	90	NR
3 MN0404CN	21	27	59	12	R	95	195	206	81	NR
4 MN1410	247	194	227	74	NR	187	172	178	88	NR
5 M08-362045L	14	9	8	3	HR	145	.	97	60	LR
6 M12-354012	19	6	8	4	HR	158	137	153	74	NR
7 M12-386012	95	2	42	33	**	159	133	137	70	NR
8 M12-440084	280	198	145	69	NR	130	201	193	86	NR
9 MCH13-104189	50	31	50	31	MR	115	106	117	56	LR
10 ND Benson	1	0	0*	0	HR	137	78	143	59	LR
11 ND14-2194	74	59	111	27	MR	104	149	94	57	LR
12 ND14-2671	55	29	25	12	R	103	101	91	48	LR
13 ND14-2678	22	15	7	5	HR	93	106	111	51	LR
14 ND14-3606	265	169	144	64	NR	90	133	126	57	LR
15 ND14-3926	24	118	45	21	R	112	118	102	55	LR
16 ND14-4507	61	102	48	23	R	126	124	117	60	NR

\*\*rep data too variable to rate

## 2018 Summary

Entry	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									
Locations	7		4		3		7	7	6	6	6	6	6		
1 ND Stutsman	52.4	8	49.5	12	55.1	4	9/17	1.3	32	1.7	16.0	34.4	18.2		
2 MN0095	42.3	16	41.1	16	43.6	14	-7	1.2	25	1.5	14.0	34.9	18.4		
3 MN0404CN	44.5	15	45.9	15	43.8	13	-6	2.0	28	1.7	14.9	34.6	18.7		
4 MN1410	57.6	1	56.0	3	60.6	1	5	1.8	37	1.5	18.3	35.3	18.2		
5 M08-362045L	56.4	3	57.1	2	56.0	3	0	1.5	30	1.4	16.1	35.1	18.4		
6 M12-354012	53.5	6	54.0	6	54.0	5	-1	1.8	30	2.8	15.7	35.1	18.3		
7 M12-386012	50.2	10	50.5	11	46.4	11	-3	1.2	31	1.5	16.6	36.0	17.9		
8 M12-440084	50.7	9	50.8	10	49.3	9	0	1.9	33	1.5	17.9	36.0	17.5		
9 MCH13-104189	52.7	7	53.1	7	52.8	6	0	1.5	35	1.3	15.7	34.2	18.3		
10 ND Benson	47.0	12	47.9	13	44.5	12	-3	1.4	31	1.4	15.7	35.5	17.9		
11 ND14-2194	44.7	14	46.7	14	43.2	15	-7	1.1	29	1.8	16.9	34.6	19.2		
12 ND14-2671	57.3	2	59.5	1	56.2	2	2	1.7	35	2.7	16.8	33.2	18.2		
13 ND14-2678	46.2	13	52.3	8	39.2	16	-5	1.1	24	1.9	17.3	33.9	18.5		
14 ND14-3606	49.4	11	52.0	9	46.5	10	-2	1.4	25	1.5	18.1	34.6	18.5		
15 ND14-3926	54.5	5	55.8	4	52.6	8	1	1.6	37	2.4	18.0	34.5	18.4		
16 ND14-4507	54.6	4	55.4	5	52.6	7	0	1.4	30	1.8	16.6	35.3	17.5		
Mean	50.9		51.7		49.8		15.3	1.5	30.8	1.8	16.5	34.8	18.3		
LSD(2-sided,.05)	3.1		3.9		4.9		1.1	0.2	1.6						
C.V. %	9.9		9.5		10.4		11.9	25.3	7.7						
Replications	21		12		9		21	21	18						

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## Yield (bu/a)

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
Strain							
1 ND Stutsman	58.5	55.0	27.3	57.3	50.0	71.3	43.9
2 MN0095	52.9	35.1	23.8	52.8	39.9	56.4	34.5
3 MN0404CN	55.1	51.0	26.9	50.5	41.3	50.4	39.7
4 MN1410	60.0	68.4	31.4	64.4	54.5	73.3	54.1
5 M08-362045L	66.7	63.6	35.5	62.6	54.2	65.9	48.0
6 M12-354012	56.5	62.7	31.4	65.6	51.0	58.9	52.1
7 M12-386012	61.3	53.9	29.9	56.9	40.8	61.6	36.7
8 M12-440084	55.7	56.0	36.3	55.0	45.9	61.1	40.8
9 MCH13-104189	58.7	62.2	30.9	60.4	51.5	62.5	44.5
10 ND Benson	53.2	51.4	30.7	56.1	40.8	56.4	36.3
11 ND14-2194	58.5	46.4	28.3	53.7	37.1	54.7	37.9
12 ND14-2671	69.7	67.3	38.4	62.7	52.4	66.6	49.6
13 ND14-2678	63.5	51.8	33.1	60.8	35.5	46.4	35.6
14 ND14-3606	63.6	61.6	25.4	57.5	44.7	58.4	36.5
15 ND14-3926	65.7	61.6	34.2	61.6	52.4	65.3	40.0
16 ND14-4507	63.9	63.8	33.1	60.6	53.0	61.8	43.0
Average	60.2	57.0	31.0	58.7	46.6	60.7	42.1
LSD(2-sided,.05)	9.4	7.8	6.5	8.9	6.4	5.2	7.6
C.V. %	9.4	8.2	12.6	8.9	6.7	5.2	10.8
Replications	3	3	3	3	3	3	3
Row spacing (in.)	30	30	30	30	15	14	14

## Yield (rank)

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
Strain							
1 ND Stutsman	10	10	13	10	8	2	6
2 MN0095	16	16	16	15	14	13	16
3 MN0404CN	14	14	14	16	11	15	10
4 MN1410	8	1	7	2	1	1	1
5 M08-362045L	1	4	3	4	2	4	4
6 M12-354012	12	5	7	1	7	10	2
7 M12-386012	7	11	11	11	12	8	12
8 M12-440084	13	9	2	13	9	9	8
9 MCH13-104189	9	6	9	8	6	6	5
10 ND Benson	15	13	10	12	12	12	14
11 ND14-2194	10	15	12	14	15	14	11
12 ND14-2671	1	2	1	3	4	3	3
13 ND14-2678	6	12	5	6	16	16	15
14 ND14-3606	5	7	15	9	10	11	13
15 ND14-3926	3	7	4	5	4	5	9
16 ND14-4507	4	3	5	7	3	7	7

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**Maturity**

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
Strain							
1 ND Stutsman	9/8	9/11	9/13	9/20	9/16	9/29	9/22
2 MN0095	-1	-1	-10	-13	-10	-11	0
3 MN0404CN	-2	-1	-4	-12	-10	-13	-3
4 MN1410	8	6	4	6	5	2	3
5 M08-362045L	4	3	2	-3	0	-9	0
6 M12-354012	2	2	1	-1	0	-8	-5
7 M12-386012	1	1	1	-6	-5	-9	-5
8 M12-440084	2	2	2	-1	3	-7	0
9 MCH13-104189	3	1	0	-1	1	-7	4
10 ND Benson	-1	1	0	-8	-2	-9	1
11 ND14-2194	-2	-2	-10	-8	-11	-14	-1
12 ND14-2671	4	3	2	2	3	-1	0
13 ND14-2678	1	-1	-3	-13	-7	-10	-2
14 ND14-3606	1	-1	-5	-3	-3	-8	3
15 ND14-3926	3	2	1	0	1	-1	1
16 ND14-4507	4	1	-1	-2	1	-7	1
Planted	5/21	5/28	6/01	5/14	5/18	5/29	5/25

**Lodging (score)**

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
Strain							
1 ND Stutsman	1.0	1.0	2.0	2.0	1.0	1.0	1.1
2 MN0095	1.0	1.0	2.3	1.0	1.0	1.1	1.0
3 MN0404CN	2.3	3.3	3.3	2.2	1.0	1.2	1.0
4 MN1410	1.7	1.7	2.0	2.8	1.3	1.2	1.8
5 M08-362045L	2.0	1.0	1.7	2.5	1.0	1.1	1.3
6 M12-354012	2.0	3.0	1.7	2.5	1.0	1.7	1.0
7 M12-386012	1.0	1.3	1.7	1.7	1.0	1.0	1.0
8 M12-440084	1.9	2.3	2.7	2.7	1.0	1.5	1.4
9 MCH13-104189	1.0	1.3	1.7	2.3	1.0	1.6	1.3
10 ND Benson	1.3	2.0	1.7	1.3	1.0	1.2	1.0
11 ND14-2194	1.0	1.0	1.7	1.0	1.0	1.2	1.0
12 ND14-2671	1.3	1.5	2.3	3.2	1.0	1.4	1.0
13 ND14-2678	1.0	1.0	1.0	1.0	1.0	1.4	1.2
14 ND14-3606	1.3	1.7	2.3	1.0	1.0	1.3	1.2
15 ND14-3926	1.3	1.3	2.3	2.8	1.0	1.1	1.2
16 ND14-4507	1.3	1.3	2.0	1.7	1.0	1.4	1.1

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Height (inches)

Strain	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
1 ND Stutsman	38	31	33		19	37	35
2 MN0095	27	23	24		15	33	31
3 MN0404CN	30	29	24		19	37	30
4 MN1410	42	38	34		28	39	43
5 M08-362045L	34	31	27		22	30	33
6 M12-354012	36	31	27		22	34	32
7 M12-386012	40	35	33		19	30	27
8 M12-440084	36	34	33		20	36	38
9 MCH13-104189	39	36	34		23	38	41
10 ND Benson	38	33	26		22	31	35
11 ND14-2194	32	27	28		19	35	33
12 ND14-2671	41	36	31		25	39	35
13 ND14-2678	32	25	22		17	24	24
14 ND14-3606	29	24	21		18	27	30
15 ND14-3926	43	38	36		25	41	40
16 ND14-4507	36	32	27		23	31	33

Seed Quality (score)

Strain	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
1 ND Stutsman	1.0	1.0	2.0		2.3	2.0	2.0
2 MN0095	1.0	1.0	2.0		2.0	1.5	1.5
3 MN0404CN	2.0	1.0	2.0		1.6	1.5	2.0
4 MN1410	1.0	1.0	2.0		1.7	1.5	1.5
5 M08-362045L	1.0	1.0	1.0		2.0	1.5	2.0
6 M12-354012	2.0	3.0	2.0		3.0	3.0	3.5
7 M12-386012	1.0	1.0	1.0		2.0	1.5	2.5
8 M12-440084	1.0	2.0	1.0		2.0	1.5	1.5
9 MCH13-104189	1.0	1.0	1.0		1.7	1.5	1.5
10 ND Benson	1.0	1.0	1.0		1.3	1.5	2.5
11 ND14-2194	2.0	1.0	2.0		2.3	1.5	2.0
12 ND14-2671	1.0	3.0	2.0		2.6	3.5	4.0
13 ND14-2678	2.0	1.0	2.0		2.4	2.0	2.0
14 ND14-3606	1.0	1.0	2.0		2.0	1.5	1.5
15 ND14-3926	2.0	2.0	2.0		2.6	2.5	3.0
16 ND14-4507	2.0	1.0	2.0		2.0	1.5	2.0

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## Seed Weight (g/100)

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
Strain	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
1 ND Stutsman	14.5	15.9	12.0		19.2	16.0	18.5
2 MN0095	13.4	13.1	11.1		16.8	13.8	15.7
3 MN0404CN	14.1	15.1	11.6		17.8	14.8	16.0
4 MN1410	15.2	17.5	13.0		21.0	20.2	22.8
5 M08-362045L	15.4	15.3	12.9		17.4	17.0	18.3
6 M12-354012	14.7	15.5	11.3		18.4	16.9	17.2
7 M12-386012	14.6	15.7	11.7		20.7	16.8	19.9
8 M12-440084	16.2	18.3	14.6		19.4	19.0	20.1
9 MCH13-104189	14.4	15.3	12.2		17.4	16.2	18.5
10 ND Benson	15.2	15.8	11.3		17.0	16.6	18.0
11 ND14-2194	15.5	17.9	12.4		19.5	17.1	18.7
12 ND14-2671	16.7	16.0	12.3		18.6	17.5	19.5
13 ND14-2678	17.8	17.2	13.4		17.9	17.5	19.7
14 ND14-3606	17.7	17.8	13.3		20.6	18.5	20.4
15 ND14-3926	17.1	18.9	13.9		20.1	18.0	20.1
16 ND14-4507	15.8	16.4	13.1		18.1	18.1	18.3

## Protein (%)

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
Strain	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
1 ND Stutsman	34.9	33.2	36.4		34.4	32.6	34.8
2 MN0095	34.5	33.9	35.8		36.7	33.2	35.5
3 MN0404CN	34.8	33.6	36.5		35.1	32.8	34.8
4 MN1410	35.2	33.2	35.2		35.4	35.7	36.8
5 M08-362045L	35.8	33.9	36.4		35.1	33.5	35.7
6 M12-354012	36.0	34.6	35.7		35.8	33.1	35.6
7 M12-386012	34.5	33.4	35.5		39.3	35.9	37.3
8 M12-440084	36.8	34.0	36.2		36.4	36.0	36.8
9 MCH13-104189	34.8	32.9	35.5		34.1	33.0	35.0
10 ND Benson	36.1	34.2	36.9		35.8	33.6	36.2
11 ND14-2194	35.1	32.7	35.3		35.6	32.7	35.9
12 ND14-2671	33.4	32.1	34.9		33.8	32.1	33.1
13 ND14-2678	34.5	32.6	35.5		34.5	31.2	35.0
14 ND14-3606	35.1	34.2	35.2		35.3	33.1	34.6
15 ND14-3926	34.8	33.9	36.2		34.2	33.2	35.0
16 ND14-4507	36.8	34.4	36.3		34.8	34.2	35.5

## Oil (%)

SCN HG Type	Davners	Fairfax	Rosemount	Wyndmere	Ottawa	Elora	Woodstock
	MN	MN	MN	ND	ON	ON	ON
Strain	2.5.7	2.5.7	2.5.7	2.5.7	NI	NI	NI
1 ND Stutsman	17.5	18.2	17.1		19.4	18.4	18.5
2 MN0095	19.1	18.8	17.7		18.4	18.5	18.0
3 MN0404CN	18.3	19.8	17.0		19.1	19.2	19.0
4 MN1410	17.8	18.4	17.3		19.5	17.3	18.5
5 M08-362045L	18.6	18.4	17.0		18.9	18.6	19.1
6 M12-354012	17.2	18.3	17.1		19.2	18.8	19.4
7 M12-386012	17.0	18.7	17.1		17.9	18.4	18.5
8 M12-440084	17.2	18.2	16.6		18.0	16.9	18.1
9 MCH13-104189	17.4	18.7	17.2		19.4	18.3	18.9
10 ND Benson	16.8	18.4	16.7		18.8	18.6	18.2
11 ND14-2194	18.7	19.7	18.6		19.8	19.6	18.8
12 ND14-2671	17.3	18.9	17.5		19.5	18.3	17.7
13 ND14-2678	17.5	19.2	17.7		19.6	19.4	17.9
14 ND14-3606	18.6	18.4	18.4		19.1	18.3	18.1
15 ND14-3926	17.2	19.1	17.3		19.7	18.6	18.5
16 ND14-4507	16.1	18.5	16.5		18.7	17.6	17.4