

2009 SCN UNIFORM 0

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Traits
1 Sheyenne	PGy	Pioneer 9071 x A96-492041	1	F4	Rsp1-c
2 MN1410	WGbf	MN0302 x Archer	4	F5	Rps1K, BSR
3 Surge	PGibl	A86-204022 x Kato	5	F5	
4 Traill (E)	PTy	M82-996 x Sigco KG20	2	F5	
5 MN0606CN	WTy	MN0901 x MN0902CN	4	F4	
6 M02-138032	MTy	MN0902CN x MN0201	08 SCN U 00	F4	
7 M03-149100	PTbl	MN0902CN x MN0304	NEW	F5	Rps1k
8 M03-155021	PTy	MN0902CN x M97-121138	NEW	F5	Rps1k
9 M03-258009	PGbf	M97-164239 x MN1006CN	NEW	F5	Rps1k
10 M03-289023	WTbr	MN0902CN x A02-381003	NEW	F5	Lin2%
11 ND04-11421	PTy/br	MN0902CN x (SD96-702 x Loda)	1	F4	
12 ND04-11730	PGbf	MN161045 x (Barnes x IA1009)	1	F4	Rps6
13 ND05-17923	PGbf	MN0302 x (Barnes x A95-583021)	NEW	F4	Rps6
14 ND06-25150	PGibl	MN1006CN x ND01-2765	NEW	F3	Rps1c
15 ND06-25446	PGibl	MN1006CN x ND01-2765	NEW	F3	Rps1c
16 ND06-25465	PGibl	MN1006CN x ND01-2765	NEW	F3	Rps1c
17 ND06-25513	PGibl	MN1006CN x ND01-2765	NEW	F3	Rps1c
18 ND06-25865	WGy/bf	ND01-3739 x MN1006CN	NEW	F3	Rps6
19 ND06-25913	WGy/bf	ND01-3739 x MN1006CN	NEW	F3	Rps6
20 ND06-26269	PTgr	ND01-3533 x ND01-3559	NEW	F3	Rps1k
21 ND06-26477	PGibl	ND01-3533 x ND01-3559	NEW	F3	Rps1k
22 ND06-26480	MGbf/ibl	ND01-3533 x ND01-3559	NEW	F3	Rps1k

Entry	IL SCN screening				Purdue SCN screening		MN IDC
	HG 0		HG 2.5.7		HG 0	HG 2.5.7	Wilkin
	Fl	rating	Fl	rating	rating	rating	score
1 Sheyenne	72	NR	82	NR	S	MS	3.5
2 MN1410	69	NR	115	NR	S	MR	3.0
3 Surge	82	NR	85	NR	S	MS	3.0
4 Traill (E)	79	NR	80	NR	S	MS	2.5
5 MN0606CN	1	HR	55	LR	MS	R	3.0
6 M02-138032	7	HR	91	NR	MR	MR	2.5
7 M03-149100	1	HR	78	NR	MR	MR	2.5
8 M03-155021	13	R	83	NR	R	MS	3.0
9 M03-258009	46	**	93	NR	S	MS	3.0
10 M03-289023	7	HR	101	NR	S	MR	3.5
11 ND04-11421	4	HR	99	NR	MS	MS	3.0
12 ND04-11730	44	LR	74	NR	S	MS	3.0
13 ND05-17923	105	NR	104	NR	S	S	2.5
14 ND06-25150	2	HR	66	NR	MS	MR	3.0
15 ND06-25446	94	NR	82	NR	S	MS	3.5
16 ND06-25465	67	NR	62	NR	MS	MS	3.0
17 ND06-25513	10	R	72	NR	MS	MR	3.0
18 ND06-25865	83	NR	65	NR	S	MR	4.0
19 ND06-25913	56	LR	83	NR	S	MR	3.5
20 ND06-26269	99	NR	89	NR	S	MR	2.5
21 ND06-26477	95	NR	78	NR	S	MR	3.5
22 ND06-26480	98	NR	83	NR	S	MR	3.0

\*\*Cyst counts too variable to rate.

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## 2009 Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested bu/a	rank	Non-infested bu/a	rank				quality score	weight g/100	protein %	oil %
1	Sheyenne	35.8	12	53.4	7	928	1.4	32	1.6	15.8	34.6	17.1
2	MN1410	41.1	1	58.7	1	6	1.8	35	1.6	17.0	35.3	17.5
3	Surge	36.8	14	53.5	6	1	1.5	31	1.8	18.3	36.4	16.8
4	Traill (E)	28.3	22	45.7	19	-9	1.6	28	1.5	16.8	37.0	16.9
5	MN0606CN	34.0	17	49.5	13	-1	1.5	29	1.6	15.4	35.5	17.0
6	M02-138032	32.9	20	46.3	18	-7	2.0	32	1.6	14.4	37.1	16.7
7	M03-149100	37.7	11	47.3	17	-7	1.7	30	1.4	14.8	35.0	17.3
8	M03-155021	32.3	19	42.1	22	-6	1.5	31	1.7	15.2	35.4	17.2
9	M03-258009	34.8	18	48.3	15	1	1.5	26	1.6	15.9	34.1	17.6
10	M03-289023	41.1	5	43.0	21	1	1.2	29	1.7	16.7	35.9	16.9
11	ND04-11421	30.8	16	43.1	20	-8	1.2	25	1.8	15.9	37.0	16.5
12	ND04-11730	39.7	13	49.4	14	-4	1.4	30	2.3	17.4	34.6	17.2
13	ND05-17923	38.0	10	49.5	12	-4	1.2	32	1.6	14.3	35.3	17.6
14	ND06-25150	43.3	6	50.8	11	-2	1.5	31	1.8	13.9	34.9	17.8
15	ND06-25446	35.7	4	55.9	4	1	1.5	34	1.5	14.2	34.3	17.4
16	ND06-25465	29.2	21	51.6	10	-3	1.4	31	1.6	11.9	35.4	16.9
17	ND06-25513	36.0	15	52.6	8	-1	1.4	32	1.8	16.8	35.0	17.6
18	ND06-25865	34.7	9	48.3	15	1	1.5	31	1.6	15.3	34.4	17.5
19	ND06-25913	40.4	3	56.9	2	0	1.7	31	1.3	13.7	32.7	18.1
20	ND06-26269	39.9	7	56.7	3	0	1.5	35	1.7	16.3	35.2	17.5
21	ND06-26477	44.7	2	55.5	5	4	1.4	36	1.4	15.3	33.7	17.9
22	ND06-26480	39.6	8	51.7	9	1	1.7	34	1.6	16.2	33.7	17.9

## 2 year summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested bu/a	rank	Non-infested bu/a	rank				quality score	weight g/100	protein %	oil %
1	Sheyenne	38.0	2	52.6	3	923	1.4	32.6	1.5	15.4	34.6	17.5
2	MN1410	42.3	1	57.3	1	7	1.9	35.8	1.5	16.5	35.3	17.7
3	Surge	38.4	3	54.0	2	1	1.6	31.1	1.7	18.4	36.4	17.2
4	Traill (E)	29.0	7	44.3	5	-6	1.5	27.8	1.5	16.2	36.9	17.1
5	MN0606CN	37.0	4	43.9	7	0	1.7	30.0	1.6	15.3	35.4	17.3
11	ND04-11421	33.1	6	44.2	6	-5	1.2	25.8	1.7	15.7	37.1	16.7
12	ND04-11730	38.2	5	47.4	4	-3	1.4	30.8	2.0	16.0	34.6	17.4

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SCN HG Type	Yield (bu/a)					
	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	MN	ON	ON	ON
Strain		I	NI	NI	NI	
1 Sheyenne	35.4	39.1	32.5	57.1	47.8	55.2
2 MN1410	57.5	44.0	38.2	55.2	58.3	62.7
3 Surge	32.1	41.6	32.0	49.1	49.4	62.0
4 Traill (E)	22.2	34.2	22.4	46.6	42.0	48.5
5 MN0606CN	29.6	30.0	37.9	51.2	43.4	53.8
6 M02-138032	28.1	35.9	29.8	43.3	46.6	49.1
7 M03-149100	32.3	38.0	37.4	46.5	50.4	45.1
8 M03-155021	29.6	30.0	34.6	41.4	41.4	43.6
9 M03-258009	27.4	28.7	40.9	51.9	42.8	50.1
10 M03-289023	38.3	36.1	46.1	46.4	40.7	42.0
11 ND04-11421	36.4	21.9	39.7	46.0	40.7	42.7
12 ND04-11730	26.5	35.5	43.9	49.4	47.1	51.8
13 ND05-17923	34.3	39.5	36.5	52.1	38.3	58.0
14 ND06-25150	32.3	39.6	47.0	52.5	48.1	51.8
15 ND06-25446	51.1	36.3	35.0	51.2	56.7	59.9
16 ND06-25465	28.3	24.6	33.7	53.2	47.7	53.9
17 ND06-25513	27.7	37.8	34.2	54.9	50.9	51.9
18 ND06-25865	41.9	37.9	31.4	55.2	39.3	50.3
19 ND06-25913	50.5	41.3	39.4	56.8	51.7	62.2
20 ND06-26269	33.6	39.6	40.1	54.9	53.3	62.0
21 ND06-26477	49.7	41.4	47.9	57.0	50.0	59.4
22 ND06-26480	33.4	37.2	41.9	53.6	45.0	56.4
Average	35.4	35.9	37.4	51.2	46.9	53.3
LSD(.05)	17.4	8.8	8.5	4.1	12.9	8.4
C.V. %	29.7*	14.9	14.6	5.8	11.7	7.6
Replications	3	3	3	3	2	2
Row width (in.)	30	30	30	16	14	14

\*data not included when calculating means for summary table.

SCN HG Type	Yield (rank)					
	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	MN	ON	ON	ON
Strain		I	NI	NI	NI	
1 Sheyenne	8	8	18	1	10	9
2 MN1410	1	1	10	5	1	1
3 Surge	14	2	19	16	8	3
4 Traill (E)	22	17	22	17	17	18
5 MN0606CN	15	18	11	14	15	11
6 M02-138032	18	15	21	21	13	17
7 M03-149100	12	9	12	18	6	19
8 M03-155021	15	18	15	22	18	20
9 M03-258009	20	20	6	12	16	16
10 M03-289023	6	14	3	19	19	22
11 ND04-11421	7	22	8	20	19	21
12 ND04-11730	21	16	4	15	12	13
13 ND05-17923	9	7	13	11	22	7
14 ND06-25150	12	5	2	10	9	13
15 ND06-25446	2	13	14	13	2	5
16 ND06-25465	17	21	17	9	11	10
17 ND06-25513	19	11	16	6	5	12
18 ND06-25865	5	10	20	4	21	15
19 ND06-25913	3	4	9	3	4	2
20 ND06-26269	10	5	7	7	3	3
21 ND06-26477	4	3	1	2	7	6
22 ND06-26480	11	12	5	8	14	8



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**Maturity**

SCN HG Type	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
1 Sheyenne	9/17	9/21	9/15	10/2	10/10	10/12
2 MN1410	4	7	5	3	7	10
3 Surge	-2	1	4	-2	1	5
4 Traill (E)	-6	-3	-6	-10	-16	-10
5 MN0606CN	-3	-1	3	-1	-3	1
6 M02-138032	-6	-1	-2	-8	-14	-8
7 M03-149100	-7	-1	-2	-7	-12	-10
8 M03-155021	-5	-3	-1	-7	-11	-10
9 M03-258009	2	3	3	-4	0	3
10 M03-289023	-1	1	3	-2	2	0
11 ND04-11421	-7	-2	-2	-9	-15	-10
12 ND04-11730	-4	-3	-1	-6	-11	1
13 ND05-17923	-6	0	-2	-7	-6	-1
14 ND06-25150	-2	0	2	-4	-7	2
15 ND06-25446	-1	4	4	-2	-3	3
16 ND06-25465	-2	-2	0	-8	-7	0
17 ND06-25513	0	-2	0	-1	-5	2
18 ND06-25865	2	0	2	-4	3	4
19 ND06-25913	-1	0	2	-3	1	0
20 ND06-26269	-3	2	5	-1	-2	-2
21 ND06-26477	3	4	5	0	6	5
22 ND06-26480	0	2	2	-1	-1	5
Planted	5/13	5/21	5/26	5/22	6/4	6/16

**Lodging (score)**

SCN HG Type	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
1 Sheyenne	1.0	1.0		2.8	1.0	1.0
2 MN1410	1.3	1.7		3.2	1.0	2.0
3 Surge	1.0	1.0		3.3	1.0	1.0
4 Traill (E)	1.0	1.0		3.3	1.0	1.5
5 MN0606CN	1.0	1.0		3.7	1.0	1.0
6 M02-138032	1.0	2.7		3.5	1.2	1.5
7 M03-149100	1.0	1.7		3.8	1.2	1.0
8 M03-155021	1.0	1.0		3.7	1.0	1.0
9 M03-258009	1.0	1.3		3.0	1.3	1.0
10 M03-289023	1.0	1.0		1.9	1.0	1.0
11 ND04-11421	1.0	1.0		1.5	1.0	1.3
12 ND04-11730	1.0	1.0		2.5	1.0	1.3
13 ND05-17923	1.0	1.0		2.1	1.0	1.0
14 ND06-25150	1.0	1.0		3.3	1.0	1.0
15 ND06-25446	1.0	1.0		3.4	1.0	1.3
16 ND06-25465	1.0	1.0		3.0	1.0	1.0
17 ND06-25513	1.0	1.0		3.1	1.0	1.0
18 ND06-25865	1.0	1.3		3.3	1.0	1.0
19 ND06-25913	1.0	1.0		3.8	1.5	1.0
20 ND06-26269	1.0	1.0		3.5	1.0	1.0
21 ND06-26477	1.0	1.0		3.0	1.0	1.0
22 ND06-26480	1.0	1.0		4.0	1.2	1.5

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Height (inches)

SCN HG Type	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
1 Sheyenne	27	33		38	33	31
2 MN1410	30	38		38	32	38
3 Surge	23	35		35	31	32
4 Traill (E)	22	26		35	28	29
5 MN0606CN	24	30		35	29	29
6 M02-138032	26	32		34	35	32
7 M03-149100	24	32		33	31	31
8 M03-155021	28	30		35	30	32
9 M03-258009	22	29		31	26	23
10 M03-289023	23	33		34	28	28
11 ND04-11421	19	23		31	27	24
12 ND04-11730	27	29		35	28	32
13 ND05-17923	25	31		38	30	35
14 ND06-25150	22	34		37	32	31
15 ND06-25446	27	37		37	34	33
16 ND06-25465	24	30		36	30	33
17 ND06-25513	24	34		38	31	33
18 ND06-25865	26	31		38	27	32
19 ND06-25913	26	33		37	28	31
20 ND06-26269	28	40		38	32	36
21 ND06-26477	31	38		40	36	35
22 ND06-26480	29	34		39	31	35

Seed Quality (score)

SCN HG Type	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
1 Sheyenne	2.0	2.5	1.5	1.0	1.0	1.5
2 MN1410	2.0	2.0	2.0	1.0	1.0	1.5
3 Surge	3.0	2.5	1.5	1.0	1.0	1.5
4 Traill (E)	2.5	2.0	1.0	1.0	1.0	1.5
5 MN0606CN	2.0	2.5	1.5	1.0	1.5	1.0
6 M02-138032	2.5	2.0	1.0	1.3	1.5	1.5
7 M03-149100	2.0	2.5	1.0	1.0	1.0	1.0
8 M03-155021	2.5	1.5	1.5	2.0	1.5	1.0
9 M03-258009	2.0	2.0	1.5	1.0	1.5	1.5
10 M03-289023	2.0	2.5	1.5	1.0	1.5	1.5
11 ND04-11421	3.0	3.0	1.5	1.0	1.0	1.5
12 ND04-11730	3.0	2.0	2.0	2.0	2.5	2.5
13 ND05-17923	2.0	2.5	1.5	1.0	1.5	1.0
14 ND06-25150	2.5	2.5	1.5	1.3	1.5	1.5
15 ND06-25446	2.0	2.0	1.5	1.0	1.0	1.5
16 ND06-25465	1.5	2.0	1.5	1.0	1.5	2.0
17 ND06-25513	3.5	1.5	2.0	1.0	1.5	1.5
18 ND06-25865	1.5	2.0	1.0	1.0	2.0	2.0
19 ND06-25913	2.0	1.5	1.5	1.0	1.0	1.0
20 ND06-26269	2.0	1.5	2.0	1.3	1.5	2.0
21 ND06-26477	1.5	1.5	1.5	1.0	1.5	1.5
22 ND06-26480	2.2	2.0	1.5	1.0	1.5	1.5

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Seed Weight (g/100)

SCN HG Type	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
1 Sheyenne	16.9	14.4	13.5	19.0	15.5	15.6
2 MN1410	19.3	16.5	14.8	17.8	16.0	17.3
3 Surge	22.2	17.8	15.0	19.8	16.3	18.4
4 Traill (E)	18.6	17.7	13.9	18.6	15.5	16.4
5 MN0606CN	17.9	15.7	14.2	17.1	12.5	14.7
6 M02-138032	16.6	15.4	11.9	15.5	13.0	13.9
7 M03-149100	16.1	15.3	13.0	16.7	12.9	15.0
8 M03-155021	16.2	16.3	14.2	17.0	13.6	14.0
9 M03-258009	17.6	16.1	14.7	17.4	14.7	14.9
10 M03-289023	17.0	16.1	15.0	18.4	17.3	16.2
11 ND04-11421	18.3	16.1	13.5	17.0	15.4	14.8
12 ND04-11730	18.6	16.7	15.9	17.1	17.5	18.5
13 ND05-17923	17.4	13.8	12.3	15.6	13.1	13.6
14 ND06-25150	16.8	13.1	12.4	14.8	12.1	14.2
15 ND06-25446	16.7	12.7	13.9	16.0	13.1	12.9
16 ND06-25465	14.2	10.9	11.3	12.4	11.1	11.3
17 ND06-25513	18.8	14.8	15.1	18.6	17.1	16.1
18 ND06-25865	17.6	14.6	14.3	15.8	14.4	15.3
19 ND06-25913	15.5	13.3	12.4	14.9	12.2	13.7
20 ND06-26269	17.3	16.7	15.8	17.6	15.5	15.0
21 ND06-26477	17.0	17.2	15.4	15.2	13.4	13.7
22 ND06-26480	18.8	18.0	15.3	16.5	13.3	15.0

Protein (%)

SCN HG Type	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
1 Sheyenne	34.3	34.5	33.8	35.5	34.7	34.8
2 MN1410	34.9	34.5	34.8	36.1	34.8	36.6
3 Surge	35.8	34.3	35.5	37.9	36.5	38.1
4 Traill (E)	36.7	36.4	36.2	38.0	37.0	38.0
5 MN0606CN	35.4	35.5	34.2	35.8	35.5	36.5
6 M02-138032	36.8	36.7	35.1	38.4	37.1	38.4
7 M03-149100	34.5	35.3	34.5	35.7	35.0	35.2
8 M03-155021	35.1	35.2	34.1	37.1	34.9	36.0
9 M03-258009	33.9	33.0	33.0	35.1	34.5	35.0
10 M03-289023	34.5	34.9	34.1	37.8	37.1	37.2
11 ND04-11421	36.5	37.0	36.2	37.7	36.5	37.9
12 ND04-11730	34.4	34.2	34.3	35.2	34.4	35.1
13 ND05-17923	34.2	35.9	35.0	35.9	35.2	35.3
14 ND06-25150	33.9	34.6	33.6	36.5	34.7	36.3
15 ND06-25446	33.8	33.1	33.5	34.5	34.8	36.0
16 ND06-25465	33.7	34.8	35.1	35.8	35.9	37.3
17 ND06-25513	34.3	34.1	35.7	35.7	35.1	35.1
18 ND06-25865	33.9	33.9	34.1	34.0	35.0	35.5
19 ND06-25913	34.0	33.0	32.0	32.5	32.4	32.2
20 ND06-26269	34.4	34.1	35.3	35.6	36.0	36.0
21 ND06-26477	33.7	33.1	34.1	34.1	33.8	33.6
22 ND06-26480	33.1	34.1	33.2	34.3	33.6	34.2

2009 SCN UNIFORM 0

SCN HG Type	Oil (%)					
	Gaylord	Grove City	Rose-	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ON	ON	stock
	2.5.7	1.2.3.5.7	I	NI	NI	NI
Strain						
<b>1 Sheyenne</b>	17.9	17.4	17.4	17.3	16.3	16.4
<b>2 MN1410</b>	17.6	17.9	17.7	17.9	17.3	16.4
<b>3 Surge</b>	17.1	17.9	16.9	17.5	16.2	15.4
<b>4 Traill (E)</b>	17.5	17.3	17.4	17.1	16.4	15.7
<b>5 MN0606CN</b>	16.8	16.7	17.6	17.7	17.1	16.3
<b>6 M02-138032</b>	16.7	16.9	16.6	17.2	16.6	16.0
<b>7 M03-149100</b>	17.0	16.6	17.0	18.3	17.6	17.3
<b>8 M03-155021</b>	17.5	16.5	17.3	17.7	17.5	17.1
<b>9 M03-258009</b>	17.7	18.0	18.4	18.4	16.7	16.4
<b>10 M03-289023</b>	18.0	17.6	17.1	16.9	16.0	15.9
<b>11 ND04-11421</b>	16.6	16.1	17.5	16.9	16.4	15.7
<b>12 ND04-11730</b>	17.8	17.6	18.1	17.4	16.4	15.7
<b>13 ND05-17923</b>	17.9	17.3	17.7	18.4	17.3	16.8
<b>14 ND06-25150</b>	17.5	18.2	18.2	18.2	17.7	16.8
<b>15 ND06-25446</b>	17.8	18.4	17.0	18.4	16.7	15.9
<b>16 ND06-25465</b>	17.6	17.1	17.5	17.3	16.5	15.5
<b>17 ND06-25513</b>	18.2	17.3	18.1	18.1	17.1	17.0
<b>18 ND06-25865</b>	17.7	17.9	17.2	19.1	16.8	16.3
<b>19 ND06-25913</b>	18.3	17.8	18.0	19.1	17.6	17.6
<b>20 ND06-26269</b>	17.7	17.3	17.2	17.8	17.6	17.2
<b>21 ND06-26477</b>	17.7	18.4	18.4	18.5	17.2	17.4
<b>22 ND06-26480</b>	19.0	18.0	18.2	18.4	17.1	16.6