

2013 SCN UNIFORM TEST 0

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 Sheyenne	PGy	Pioneer 9071 x A96-492041	5	F4	none	Rsp1-c
2 MN1410	WGbf	Unknown	8	F5	none	
3 Surge	PGibl	A86-204022 x Kato	9	F5	none	
4 MN0095	PGibl	M92-270029 x M93-313135	3	F5	none	Rps1
5 MN0606CN	WTy	MN0901 x MN0902CN	8	F4	PI88788	
6 M05-353163	PTbr	MN0902CN x M99-286047	2	F5	PI88788	
7 M05-363022	P+WGy	IA1008 x MN1011CN	2	F5	PI88788	
8 M06-274247	WTy	MN0902CN x MN1011CN	1	F5	PI88788	
9 M06-288033	PGbf	M00-365137 x M99-286050	1	F5	PI88788	
10 M06-289237	WGy	M00-351195 x M00-365181	1	F5	PI88788	Protein

Entry	IL SCN screening				MN IDC
	HG 0		HG 2.5.7		Danvers
	FI	rating	FI	rating	score
1 Sheyenne	64	NR	76	NR	3.1
2 MN1410	73	NR	72	NR	3.6
3 Surge	70	NR	70	NR	2.8
4 MN0095	79	NR	59	LR	2.6
5 MN0606CN	2	HR	55	LR	3.1
6 M05-353163	2	HR	63	NR	3.3
7 M05-363022	2	HR	52	LR	2.9
8 M06-274247	1	HR	52	LR	2.9
9 M06-288033	1	HR	60	NR	3.0
10 M06-289237	2	HR	61	NR	3.4

Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank							
1 Sheyenne		38.8	5	47.3	4	922	1.4	29	2.2	16.0	35.3	17.6
2 MN1410		35.8	9	52.7	1	5	2.1	30	1.6	17.6	35.7	18.0
3 Surge		36.0	8	47.9	3	1	1.6	27	1.7	19.4	36.1	18.6
4 MN0095		32.5	10	38.9	10	-9	1.6	25	1.8	13.7	35.3	18.3
5 MN0606CN		42.0	2	45.6	6	1	2.0	29	2.0	15.5	35.6	18.0
6 M05-353163		43.3	1	45.0	7	-2	1.9	33	2.0	15.5	37.0	17.3
7 M05-363022		36.1	7	49.1	2	0	1.7	30	2.3	17.6	35.6	18.3
8 M06-274247		38.2	6	42.6	8	0	1.9	29	2.0	14.4	36.8	17.5
9 M06-288033		41.4	3	46.6	5	1	2.0	26	1.8	15.5	35.2	18.0
10 M06-289237		41.4	3	41.9	9	0	1.8	30	1.8	14.8	37.1	17.2

2 year summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank							
1 Sheyenne		40.7	7	46.3	2	916	1.3	29	1.9	16.1	34.9	18.1
2 MN1410		38.9	8	51.0	1	6	1.9	30	1.4	17.7	36.0	18.2
3 Surge		37.7	9	44.7	4	2	1.5	27	1.6	19.2	36.2	18.6
4 MN0095		35.9	10	33.7	10	-7	1.4	25	1.9	13.8	35.4	18.5
5 MN0606CN		42.7	2	42.4	7	3	2.0	29	1.6	15.7	35.6	18.2
6 M05-353163		42.6	3	43.6	5	-1	2.0	32	1.8	15.4	37.0	17.5
7 M05-363022		42.1	5	45.4	3	1	1.5	29	1.8	17.2	35.5	18.4
8 M06-274247		41.0	6	42.0	8	1	2.1	29	1.8	14.9	36.5	17.9
9 M06-288033		42.6	4	42.6	6	2	1.8	26	1.7	15.5	34.9	18.4
10 M06-289237		42.9	1	41.7	9	0	1.9	30	1.5	14.8	37.0	17.5

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Yield (bu/a)

Strain	Yield (bu/a)					
	Davners	Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI
<b>1 Sheyenne</b>	52.2	25.3	22.3	76.2	46.7	43.9
<b>2 MN1410</b>	48.2	23.3	22.8	78.1	59.3	50.8
<b>3 Surge</b>	48.9	23.0	18.3	73.3	50.7	49.3
<b>4 MN0095</b>	43.8	21.1	14.5	66.6	40.3	34.3
<b>5 MN0606CN</b>	56.3	27.6	23.7	70.7	46.0	41.9
<b>6 M05-353163</b>	59.5	27.0	25.2	68.2	44.9	41.7
<b>7 M05-363022</b>	45.8	26.3	22.2	75.1	53.7	45.3
<b>8 M06-274247</b>	46.4	29.9	19.4	69.5	41.0	40.6
<b>9 M06-288033</b>	51.4	31.4	25.2	71.5	50.1	39.5
<b>10 M06-289237</b>	53.6	29.1	19.8	64.2	39.4	44.2
Average	50.6	26.4	21.3	71.4	47.2	43.1
LSD(.05)	5.0	7.2	5.9	5.0	6.8	5.7
C.V. %	5.9	16.0	17.1	4.9	8.3	7.7
Replications	3	3	3	3	3	3
Row width (in.)	30	30	30	18	14	14

Yield (rank)

Strain	Yield (rank)					
	Davners	Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI
<b>1 Sheyenne</b>	4	7	5	2	5	5
<b>2 MN1410</b>	7	8	4	1	1	1
<b>3 Surge</b>	6	10	9	4	3	2
<b>4 MN0095</b>	10	9	10	9	9	10
<b>5 MN0606CN</b>	2	4	3	6	6	6
<b>6 M05-353163</b>	1	5	1	8	7	7
<b>7 M05-363022</b>	9	6	6	3	2	3
<b>8 M06-274247</b>	8	2	8	7	8	8
<b>9 M06-288033</b>	5	1	2	5	4	9
<b>10 M06-289237</b>	3	3	7	10	10	4

Maturity

Strain	Maturity					
	Davners	Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI
<b>1 Sheyenne</b>	9/27	9/24	9/24	9/18	9/18	10/6*
<b>2 MN1410</b>	2	4	5	7	7	8
<b>3 Surge</b>	1	1	1	3	1	-2
<b>4 MN0095</b>	-10	-6	-6	-12	-10	-9
<b>5 MN0606CN</b>	1	1	4	1	-1	0
<b>6 M05-353163</b>	1	-2	-1	0	-6	-6
<b>7 M05-363022</b>	0	0	0	0	0	0
<b>8 M06-274247</b>	1	1	1	0	-3	-6
<b>9 M06-288033</b>	3	3	4	1	-8	2
<b>10 M06-289237</b>	-5	0	0	2	3	0
Planted	5/29	5/14	5/24	5/14	5/17	6/18

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

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**Lodging (score)**

Strain	Davners	Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI
<b>1 Sheyenne</b>	2.0	1.0	1.0	1.7	1.0	1.5
<b>2 MN1410</b>	4.0	1.3	1.3	2.7	1.5	1.8
<b>3 Surge</b>	3.0	1.0	1.0	2.3	1.0	1.0
<b>4 MN0095</b>	4.0	1.0	1.0	1.3	1.0	1.2
<b>5 MN0606CN</b>	4.0	1.0	1.0	2.7	1.2	1.8
<b>6 M05-353163</b>	4.0	1.0	1.0	2.7	1.2	1.7
<b>7 M05-363022</b>	4.0	1.0	1.7	1.3	1.0	1.2
<b>8 M06-274247</b>	3.0	1.3	1.0	2.7	1.3	1.8
<b>9 M06-288033</b>	4.0	1.0	1.0	2.0	1.0	2.7
<b>10 M06-289237</b>	2.0	1.0	1.0	2.7	1.2	2.8

**Height (inches)**

Strain	Davners	Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI
<b>1 Sheyenne</b>		17	23	36	33	34
<b>2 MN1410</b>		18	21	38	35	37
<b>3 Surge</b>		20	20	36	30	31
<b>4 MN0095</b>		17	19	31	25	31
<b>5 MN0606CN</b>		20	26	38	28	31
<b>6 M05-353163</b>		25	25	42	33	39
<b>7 M05-363022</b>		29	20	35	31	33
<b>8 M06-274247</b>		23	20	36	31	35
<b>9 M06-288033</b>		22	19	31	27	29
<b>10 M06-289237</b>		27	22	39	29	33

**Seed Quality (score)**

Strain	Davners	Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI
<b>1 Sheyenne</b>	3.0	3.0	1.0	2.0	2.0	2.0
<b>2 MN1410</b>	1.0	3.0	1.0	1.3	1.5	1.5
<b>3 Surge</b>	2.0	2.0	2.0	1.3	1.5	1.5
<b>4 MN0095</b>	1.0	3.0	2.0	1.3	1.5	2.0
<b>5 MN0606CN</b>	2.0	2.0	1.0	2.7	2.0	2.0
<b>6 M05-353163</b>	3.0	2.0	2.0	2.0	1.5	1.5
<b>7 M05-363022</b>	3.0	3.0	2.0	2.3	2.0	1.5
<b>8 M06-274247</b>	3.0	2.0	1.0	2.0	2.0	2.0
<b>9 M06-288033</b>	1.0	2.0	1.0	2.0	2.5	2.5
<b>10 M06-289237</b>	2.0	2.0	1.0	2.0	1.5	2.0

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## Seed Weight (g/100)

Strain	Davners		Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI	NI
<b>1 Sheyenne</b>	18.2	14.4	15.7	16.1	15.4	16.2	
<b>2 MN1410</b>	20.7	15.6	15.0	18.7	15.8	19.8	
<b>3 Surge</b>	22.9	17.2	17.2	20.8	18.1	20.3	
<b>4 MN0095</b>	15.4	11.9	14.0	14.0	12.3	14.7	
<b>5 MN0606CN</b>	18.5	12.5	13.7	17.2	14.8	16.5	
<b>6 M05-353163</b>	18.0	12.8	14.7	16.3	14.2	16.7	
<b>7 M05-363022</b>	19.9	17.1	15.7	18.4	16.3	18.4	
<b>8 M06-274247</b>	17.3	11.6	13.0	16.0	13.1	15.5	
<b>9 M06-288033</b>	16.1	14.1	13.9	16.1	14.9	17.7	
<b>10 M06-289237</b>	16.8	13.4	13.0	15.4	14.7	15.3	

## Protein (%)

Strain	Davners		Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI	NI
<b>1 Sheyenne</b>	34.5	35.3	34.9	34.7	36.3	36.4	
<b>2 MN1410</b>	35.0	36.6	34.7	34.0	35.5	38.2	
<b>3 Surge</b>	36.1	34.6	36.5	35.8	35.4	37.9	
<b>4 MN0095</b>	34.0	34.0	34.4	35.3	35.3	38.6	
<b>5 MN0606CN</b>	35.0	34.0	34.6	36.6	35.8	37.6	
<b>6 M05-353163</b>	35.5	36.1	36.1	37.4	37.1	39.7	
<b>7 M05-363022</b>	34.9	34.8	35.1	36.3	35.2	37.1	
<b>8 M06-274247</b>	37.1	35.1	36.8	36.0	37.1	38.4	
<b>9 M06-288033</b>	33.9	33.7	34.4	35.6	35.8	37.5	
<b>10 M06-289237</b>	35.4	36.0	36.0	37.9	37.7	39.5	

## Oil (%)

Strain	Davners		Stewart	Rosemount	Ottawa	St. Pauls	Woodstock
	MN	MN	MN	ON	ON	ON	ON
SCN HG Type	1.2.3.5.6.7	2.5.7	NI	NI	NI	NI	NI
<b>1 Sheyenne</b>	18.0	17.7	17.8	16.6	18.3	17.3	
<b>2 MN1410</b>	19.2	17.5	18.5	17.9	17.6	17.6	
<b>3 Surge</b>	18.8	20.0	18.6	17.8	18.7	17.9	
<b>4 MN0095</b>	19.4	19.3	19.1	16.7	17.9	17.2	
<b>5 MN0606CN</b>	18.3	19.1	18.3	16.2	18.2	17.7	
<b>6 M05-353163</b>	17.9	18.5	17.9	15.8	17.5	16.4	
<b>7 M05-363022</b>	18.6	19.7	19.0	16.7	18.3	17.4	
<b>8 M06-274247</b>	17.3	19.4	17.7	16.3	17.6	17.1	
<b>9 M06-288033</b>	18.5	19.4	18.9	16.2	17.7	17.1	
<b>10 M06-289237</b>	17.9	18.3	17.9	15.4	17.1	16.6	