

2009 SCN UNIFORM I

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Traits
1 MN1410	WGbf	MN0302 x Archer	4	F5	Rps1K, BSR
2 IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	2	F5	
3 Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	1	F4	Rsp1-c
4 Freeborn (SCN)	WTbl	Ozzie x Fayette	22	F5	
5 AR06-165086	PTbl	Garst-Agripro 97026-N99-42648 x Golden Harvest H-2632	NEW	F4	
6 AR07-175064	PGibl	Golden Harvest X33686 x Syngenta S18-N5	1	F4	
7 AR08-185011	PTbl	AR03-163009 x Syngenta SJ031808	NEW	F3	
8 AR08-285063	PTbl	AR03-163009 x Syngenta SJ031808	NEW	F3	
9 M00-114140	WTy	M90-184111 x MN0902CN	4	F4	
10 M02-385041	PTy	MN0902CN x M95-255017	1	F5	
11 M02-385091	MTbl/br	MN0902CN x M95-255017	1	F5	
12 M03-209141	WTy	MN2001SP x MN0902CN	NEW	F-5	Rps1
13 M03-289027	WTgr	MN0902CN x A02-381003	NEW	F-5	Lin2%Sat7%
14 M03-289042	PTy	MN0902CN x A02-381003	NEW	F-5	Lin2%
15 M03-289072	WTbl/br	MN0902CN x A02-381003	NEW	F-5	Lin2%
16 M03-289075	WTy	MN0902CN x A02-381003	NEW	F-5	Lin2%
17 M03-914036	PTy	MN0902CN x B00497B016	08SCN U0	F4	
18 M03-914047	PTy	MN0902CN x B00497B016	08SCN U0	F4	

Entry	IL SCN screening				Purdue SCN screening		MN IDC	ISU IDC	SIU SDS
	HG 0		HG 2.5.7		HG 0	HG 2.5.7	Wilkin		Havana
	Fl	rating	Fl	rating	rating	rating	score	score	DX
1 MN1410	69	NR	115	NR	S	MR	3.0	2.0	14
2 IA1022 (SCN)	4	HR	72	NR	MR	MR	3.0	2.8	19
3 Sheyenne (0)	72	NR	82	NR	S	MS	4.0	2.3	6
4 Freeborn (SCN)	1	HR	49	LR	S	MR	3.0	2.3	5
5 AR06-165086	4	HR	77	NR	MS	MR	3.0	2.0	28
6 AR07-175064	2	HR	80	NR	MS	MR	4.5	2.8	23
7 AR08-185011	2	HR	58	LR	MR	S	3.0	2.7	6
8 AR08-285063	6	HR	54	LR	MR	MR	3.0	2.4	13
9 M00-114140	2	HR	77	NR	S	R	3.0	2.9	1
10 M02-385041	2	HR	60	NR	MS	R	3.0	1.9	6
11 M02-385091	1	HR	1	HR	R	R	3.0	1.9	3
12 M03-209141	9	HR	78	NR	MS	MS	3.5	2.2	4
13 M03-289027	4	HR	62	NR	MR	MR	4.0	3.2	10
14 M03-289042	12	R	83	NR	S	MS	3.0	2.3	4
15 M03-289072	4	HR	94	NR	MR	MR	3.5	2.4	4
16 M03-289075	2	HR	77	NR	R	MR	3.5	2.6	9
17 M03-914036	1	HR	66	NR	MS	MR	3.0	2.0	5
18 M03-914047	5	HR	92	NR	MS	R	3.5	2.5	4

Dwight (susc check) 2.7 7 MN1805SP (res)
A11 (rest check) 1.3 21 Myc5171RR (sus)
13 Mean
15 LSD (P<0.05)

2009 SCN UNIFORM I

2009 Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested bu/a	Infested rank	Non-infested bu/a	Non-infested rank				quality score	weight g/100	protein %	oil %
	Locations	7		1		7	8	8	8	8	8	
1 MN1410		46.6	6	69.5	7	921	1.7	31	1.7	18.4	35.0	18.0
2 IA1022 (SCN)		48.0	5	78.0	1	2	1.6	29	1.7	17.5	34.0	18.9
3 Sheyenne (0)		36.2	17	57.5	16	-8	1.5	27	2.5	17.0	34.5	17.8
4 Freeborn (SCN)		41.9	13	66.9	8	0	1.8	30	1.9	19.7	36.1	17.0
5 AR06-165086		52.9	2	77.2	2	4	1.6	28	1.4	18.1	35.0	17.6
6 AR07-175064		54.0	1	71.1	6	4	1.6	34	1.4	20.4	34.4	17.1
7 AR08-185011		45.7	9	73.1	5	2	1.3	31	1.6	18.1	35.3	17.2
8 AR08-285063		51.6	3	74.3	3	6	1.5	33	1.5	18.6	34.4	17.2
9 M00-114140		46.1	8	74.1	4	1	1.8	33	1.7	16.3	35.2	17.6
10 M02-385041		46.3	7	64.9	10	-1	1.7	30	1.5	17.0	35.0	17.9
11 M02-385091		44.5	11	64.0	11	-1	1.6	30	1.7	17.1	35.7	17.4
12 M03-209141		38.2	14	61.2	14	-3	1.4	28	2.0	19.9	36.8	16.5
13 M03-289027		33.9	18	52.4	18	-4	1.3	25	2.5	18.1	37.0	16.4
14 M03-289042		44.9	10	63.2	12	4	1.3	28	1.7	18.5	35.2	17.2
15 M03-289072		37.6	15	59.7	15	-6	1.4	29	2.3	16.7	35.5	17.2
16 M03-289075		37.1	16	53.7	17	-5	1.5	26	1.9	19.3	36.7	17.0
17 M03-914036		49.7	4	65.6	9	1	1.6	35	1.6	16.1	35.2	16.8
18 M03-914047		43.2	12	62.9	13	0	1.3	32	1.5	16.4	35.8	17.5

2 year summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested bu/a	Infested rank	Non-infested bu/a	Non-infested rank				quality score	weight g/100	protein %	oil %
	Locations	12		1		13	13	12	14	14	14	14
1 MN1410		45.3	5	69.5	4	920	1.6	30.7	1.8	16.3	35.4	18.2
2 IA1022 (SCN)		49.2	2	78.0	1	3	1.8	30.2	1.6	16.0	33.7	19.3
3 Sheyenne (0)		34.7	8	57.5	8	-8	1.3	27.5	2.3	15.3	34.5	18.0
4 Freeborn (SCN)		41.0	7	66.9	5	1	1.4	29.9	2.0	17.6	36.1	17.1
6 AR07-175064		55.7	1	71.1	3	4	1.6	32.8	1.3	18.5	34.6	17.6
9 M00-114140		48.1	3	74.1	2	2	2.2	33.3	1.8	14.8	34.9	17.6
10 M02-385041		45.4	4	64.9	6	0	1.7	30.2	1.7	15.2	34.8	18.1
11 M02-385091		44.1	6	64.0	7	0	1.4	30.8	1.8	15.5	35.5	17.5

2009 SCN UNIFORM I

Yield (bu/a)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON NI
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	
Strain								
1 MN1410	51.0	48.7	49.5	50.1	50.4	22.7	53.9	69.5
2 IA1022 (SCN)	49.6	52.8	46.8	57.2	46.7	37.0	46.2	78.0
3 Shyenne (0)	43.2	31.6	42.6	41.8	41.4	16.6	36.0	57.5
4 Freeborn (SCN)	44.2	40.8	49.2	45.2	37.7	33.1	43.4	66.9
5 AR06-165086	58.0	59.3	55.3	63.6	43.4	35.5	55.1	77.2
6 AR07-175064	54.9	52.0	61.0	65.8	51.5	37.8	55.2	71.1
7 AR08-185011	50.2	43.9	51.1	59.1	46.7	27.1	41.8	73.1
8 AR08-285063	53.3	52.6	59.7	63.2	48.4	36.1	48.0	74.3
9 M00-114140	49.5	53.2	48.9	51.3	47.7	31.7	40.1	74.1
10 M02-385041	51.8	50.1	50.8	54.6	45.3	27.6	43.9	64.9
11 M02-385091	47.5	48.6	45.8	46.7	42.5	37.5	43.2	64.0
12 M03-209141	46.8	40.5	41.6	36.5	38.3	23.7	40.3	61.2
13 M03-289027	37.9	28.1	36.9	35.7	35.8	24.6	38.2	52.4
14 M03-289042	45.4	47.2	49.7	53.0	38.6	33.6	46.5	63.2
15 M03-289072	39.4	30.1	41.4	44.4	42.2	26.3	39.2	59.7
16 M03-289075	41.6	35.3	39.8	41.7	35.3	30.7	35.2	53.7
17 M03-914036	49.1	46.9	48.3	53.2	53.3	50.3	46.5	65.6
18 M03-914047	44.7	41.0	43.4	52.8	42.7	34.1	43.7	62.9
Average	47.7	44.6	47.9	50.9	43.8	31.4	44.2	66.1
LSD(.05)	3.8	7.6	6.5	8.8	8.3	6.9	8.7	5.1
C.V. %	3.8	8.1	6.5	7.5	11.7	13.6	12.0	5.5
Replications	2	2	2	2	3	3	3	3
Row width (in.)	30	30	30	30	30	30	30	17

Yield (rank)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON NI
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	
Strain								
1 MN1410	5	7	7	11	3	17	3	7
2 IA1022 (SCN)	7	3	11	5	6	4	7	1
3 Shyenne (0)	15	16	14	15	13	18	17	16
4 Freeborn (SCN)	14	13	8	13	16	9	10	8
5 AR06-165086	1	1	3	2	9	6	2	2
6 AR07-175064	2	5	1	1	2	2	1	6
7 AR08-185011	6	11	4	4	6	13	12	5
8 AR08-285063	3	4	2	3	4	5	4	3
9 M00-114140	8	2	9	10	5	10	14	4
10 M02-385041	4	6	5	6	8	12	8	10
11 M02-385091	10	8	12	12	11	3	11	11
12 M03-209141	11	14	15	17	15	16	13	14
13 M03-289027	18	18	18	18	17	15	16	18
14 M03-289042	12	9	6	8	14	8	5	12
15 M03-289072	17	17	16	14	12	14	15	15
16 M03-289075	16	15	17	16	18	11	18	17
17 M03-914036	9	10	10	7	1	1	5	9
18 M03-914047	13	12	13	9	10	7	9	13

2009 SCN UNIFORM I

Maturity

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON NI
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	
Strain								
1 MN1410		9/26	9/30	9/09	9/22	9/22	9/17	9/20
2 IA1022 (SCN)		-2	2	2	-2	5	3	4
3 Sheyenne (0)		-12	-8	-9	-8	-6	-4	-7
4 Freeborn (SCN)		-4	0	0	-2	0	5	1
5 AR06-165086		1	5	3	0	8	7	5
6 AR07-175064		1	10	6	-1	5	7	2
7 AR08-185011		-1	5	4	-1	1	4	3
8 AR08-285063		3	10	7	1	8	9	5
9 M00-114140		-1	0	0	-3	1	5	4
10 M02-385041		-8	-1	-1	-3	1	3	0
11 M02-385091		-5	-4	-1	-2	0	3	0
12 M03-209141		-6	-5	-5	-3	-3	1	-3
13 M03-289027		-9	-6	-2	-5	1	-1	-4
14 M03-289042		2	3	2	-1	6	10	5
15 M03-289072		-11	-8	-5	-7	0	-3	-5
16 M03-289075		-11	-5	-4	-8	-1	-1	-3
17 M03-914036		-2	1	0	-2	1	5	1
18 M03-914047		-2	-2	-1	-2	0	4	1
Planted	5/12	5/8	6/7	5/23	5/13	5/7	5/11	5/19

Lodging (score)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON NI
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	
Strain								
1 MN1410	3.5	2.8	1.0	1.3	1.0	1.0	2.0	1.0
2 IA1022 (SCN)	2.5	2.5	1.0	2.0	1.0	1.0	2.0	1.0
3 Sheyenne (0)	2.8	2.5	1.0	1.0	1.3	1.0	1.7	1.0
4 Freeborn (SCN)	2.8	3.8	1.3	2.0	1.3	1.0	1.3	1.0
5 AR06-165086	2.5	2.5	1.3	1.0	1.3	1.0	2.0	1.0
6 AR07-175064	2.3	3.0	1.0	2.3	1.0	1.0	1.0	1.0
7 AR08-185011	1.8	2.0	1.0	1.0	1.0	1.0	1.7	1.0
8 AR08-285063	2.5	2.0	1.0	1.5	1.0	1.0	1.7	1.0
9 M00-114140	3.3	2.8	1.0	2.0	1.0	1.0	2.0	1.6
10 M02-385041	3.0	2.5	1.0	2.0	1.0	1.0	1.7	1.0
11 M02-385091	3.3	2.8	1.0	1.0	1.0	1.0	1.7	1.0
12 M03-209141	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0
13 M03-289027	1.5	2.8	1.0	1.0	1.0	1.0	1.3	1.0
14 M03-289042	2.0	1.8	1.0	1.0	1.0	1.0	1.3	1.0
15 M03-289072	2.5	2.5	1.0	1.0	1.0	1.0	1.3	1.0
16 M03-289075	2.8	3.0	1.0	1.0	1.0	1.0	1.3	1.0
17 M03-914036	3.5	2.0	1.0	2.0	1.0	1.0	1.3	1.0
18 M03-914047	2.3	2.0	1.0	1.5	1.0	1.0	1.0	1.0

2009 SCN UNIFORM I

Height (inches)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	NI
Strain								
1 MN1410	32	30	31	33	29	28	32	31
2 IA1022 (SCN)	34	27	28	32	25	29	28	33
3 Sheyenne (0)	29	26	31	31	27	18	29	28
4 Freeborn (SCN)	34	30	30	29	27	26	33	30
5 AR06-165086	29	29	27	29	25	22	31	31
6 AR07-175064	35	37	35	35	31	28	35	32
7 AR08-185011	34	31	32	32	32	25	32	29
8 AR08-285063	34	30	34	36	34	27	36	34
9 M00-114140	38	34	33	33	32	28	37	33
10 M02-385041	36	26	32	30	27	23	32	31
11 M02-385091	32	27	31	30	30	31	33	29
12 M03-209141	32	23	29	29	27	23	32	27
13 M03-289027	27	24	27	24	23	22	27	27
14 M03-289042	30	30	28	28	26	23	31	32
15 M03-289072	29	30	31	30	26	27	32	30
16 M03-289075	28	23	26	29	25	26	29	24
17 M03-914036	40	31	34	35	38	37	36	32
18 M03-914047	38	30	31	33	32	29	35	32

Seed Quality (score)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	NI
Strain								
1 MN1410	2.0	2.0	1.0	2.0	2.0	1.5	1.5	1.3
2 IA1022 (SCN)	2.0	2.0	1.0	2.0	2.0	2.0	1.5	1.3
3 Sheyenne (0)	2.0	3.0	2.0	4.0	2.0	2.0	2.0	2.6
4 Freeborn (SCN)	2.0	3.0	2.0	3.0	1.5	1.5	1.5	1.0
5 AR06-165086	1.0	2.0	1.0	1.0	1.5	1.5	1.5	1.3
6 AR07-175064	2.0	2.0	1.0	1.0	1.5	1.0	1.0	1.3
7 AR08-185011	2.0	2.0	1.0	2.0	1.5	1.5	1.5	1.0
8 AR08-285063	2.0	2.0	1.0	1.0	1.5	1.5	1.5	1.6
9 M00-114140	2.0	2.0	1.0	2.0	2.0	1.5	1.5	1.6
10 M02-385041	2.0	1.0	1.0	2.0	1.5	1.5	1.5	1.6
11 M02-385091	2.0	2.0	1.0	3.0	1.5	1.5	1.5	1.0
12 M03-209141	2.0	2.0	2.0	3.0	2.0	1.5	2.0	1.3
13 M03-289027	2.0	4.0	1.0	3.0	2.5	2.0	2.5	2.6
14 M03-289042	2.0	2.0	1.0	2.0	2.0	1.5	1.5	1.3
15 M03-289072	3.0	2.0	1.0	3.0	2.0	2.0	2.5	2.6
16 M03-289075	1.0	2.0	1.0	2.0	2.0	2.0	2.5	2.3
17 M03-914036	2.0	2.0	1.0	1.0	2.5	1.5	1.5	1.6
18 M03-914047	2.0	2.0	1.0	1.0	1.5	1.5	1.5	1.6

Seed Weight (g/100)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	NI
Strain								
1 MN1410	17.5	18.1	17.6	16.8	20.7	16.0	19.2	21.2
2 IA1022 (SCN)	15.5	16.3	17.4	17.2	18.6	18.0	17.5	19.1
3 Sheyenne (0)	17.2	15.4	15.8	19.1	16.9	15.5	16.5	19.9
4 Freeborn (SCN)	18.7	18.5	20.0	18.7	22.1	19.3	18.9	21.4
5 AR06-165086	18.5	17.5	18.5	18.3	16.7	16.9	17.8	20.3
6 AR07-175064	19.4	17.7	21.1	19.7	22.1	19.1	21.4	23.0
7 AR08-185011	16.9	15.9	18.0	17.5	18.8	17.8	19.2	20.3
8 AR08-285063	17.4	16.5	19.6	18.3	20.7	18.7	18.3	19.3
9 M00-114140	15.6	15.3	15.7	15.6	17.0	15.5	16.6	19.1
10 M02-385041	16.0	15.3	17.0	15.6	19.2	16.7	16.4	19.9
11 M02-385091	16.6	15.2	16.0	17.8	18.3	16.7	16.7	19.5
12 M03-209141	21.0	19.1	19.6	18.9	20.5	17.6	20.4	22.2
13 M03-289027	17.8	16.2	17.7	17.6	19.8	17.0	18.3	20.5
14 M03-289042	18.2	18.2	19.6	18.0	18.3	16.6	18.8	20.3
15 M03-289072	16.3	16.0	16.5	16.2	17.1	16.1	16.9	18.2
16 M03-289075	19.3	18.1	17.9	19.4	19.5	18.9	20.1	21.6
17 M03-914036	15.1	14.1	16.1	15.8	16.8	15.7	15.9	19.2
18 M03-914047	16.2	15.1	16.2	16.3	16.7	15.6	16.3	18.6

2009 SCN UNIFORM I

Protein (%)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON NI
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	
Strain								
1 MN1410	35.9	35.3	31.4	34.1	35.5	35.2	34.1	38.5
2 IA1022 (SCN)	34.6	34.2	31.0	33.8	34.4	34.3	34.6	35.2
3 Sheyenne (0)	36.2	34.0	31.5	34.8	33.5	34.8	33.4	37.8
4 Freeborn (SCN)	37.3	35.8	34.0	34.7	35.8	37.3	35.6	38.5
5 AR06-165086	36.2	34.7	32.7	33.7	34.8	36.0	35.0	36.7
6 AR07-175064	35.5	33.8	32.3	33.8	34.4	34.7	33.3	37.5
7 AR08-185011	35.8	34.9	33.0	34.1	35.1	37.0	35.0	37.8
8 AR08-285063	35.0	33.5	33.8	32.5	34.7	36.8	33.7	35.4
9 M00-114140	35.9	35.0	33.5	34.0	34.7	36.4	34.1	38.2
10 M02-385041	35.3	35.0	32.2	34.8	34.6	35.9	34.3	38.1
11 M02-385091	36.6	35.1	32.5	35.0	35.7	36.7	35.8	38.3
12 M03-209141	37.6	36.7	32.6	35.9	37.3	37.5	36.3	40.7
13 M03-289027	37.8	36.4	33.7	35.4	36.2	38.5	36.1	42.0
14 M03-289042	35.1	35.5	32.1	33.8	35.4	36.1	34.8	38.5
15 M03-289072	36.7	35.5	32.0	34.4	34.3	37.0	35.2	38.9
16 M03-289075	37.5	36.2	32.5	35.0	36.5	39.0	36.1	40.5
17 M03-914036	36.0	34.0	32.4	33.7	35.3	36.5	35.3	38.5
18 M03-914047	36.7	34.8	34.1	34.5	35.0	37.1	36.2	38.2

Oil (%)

	Arlington IA	Mason City IA	Dekalb IL	Urbana IL	Gaylord MN	Lamberton MN	Waseca MN	Ridge- town ON NI
SCN HG Type	2.5.7	7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	
Strain								
1 MN1410	17.2	17.5	18.6	17.6	18.4	18.9	18.0	17.8
2 IA1022 (SCN)	18.5	17.9	18.4	19.5	19.4	19.4	19.1	19.2
3 Sheyenne (0)	17.3	17.4	17.7	17.4	18.4	18.3	18.2	17.9
4 Freeborn (SCN)	16.3	16.9	17.2	16.4	17.2	17.0	16.6	18.0
5 AR06-165086	16.4	17.3	17.1	18.2	17.3	18.4	17.7	18.3
6 AR07-175064	15.9	16.8	16.6	17.5	17.2	18.0	17.6	17.4
7 AR08-185011	17.3	17.3	16.2	17.3	17.0	17.7	17.3	17.8
8 AR08-285063	16.1	17.3	17.0	17.6	17.1	16.8	17.2	18.6
9 M00-114140	17.5	17.1	17.8	17.6	17.4	18.1	17.6	17.4
10 M02-385041	17.1	18.9	17.4	18.1	17.7	18.0	18.0	17.6
11 M02-385091	17.3	17.2	17.3	17.0	17.3	17.4	18.2	17.2
12 M03-209141	16.9	16.4	15.9	17.7	16.1	16.5	16.1	16.4
13 M03-289027	15.7	17.4	15.7	16.7	16.7	15.9	16.7	16.4
14 M03-289042	16.3	17.1	16.7	17.7	18.1	17.7	16.9	17.1
15 M03-289072	15.8	17.1	17.1	17.7	17.8	17.3	17.4	17.3
16 M03-289075	16.7	16.4	17.0	17.0	18.1	16.9	16.9	17.1
17 M03-914036	16.2	17.3	15.8	16.8	17.0	17.3	16.9	17.0
18 M03-914047	16.5	17.4	17.2	17.2	17.4	18.3	18.4	17.8