

2009 SCN UNIFORM IV

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Traits
1 LD00- 3309	PTbl	Maverick x Dwight	4	F5	
2 IA4004	PLty	Dairyland 99433 x A01-409003	New	F4	
3 LD00- 2817P	PGibl	Purple flowered reselection from LD00-2817 (Ina x Dwight)	2	F5	
4 LD02- 9050	PTbl	LN97-24270 x LS93-0375	3	F5	
5 CL04-105111Br	WLTbl	Brown pod subline of CL04-105111 (CL0J173-6-2 x WW115926)	08 SCN P III	F5	Rps3a
6 CL04-105111Tn	WLTbl	Tan pod subline of CL04-105111 (CL0J173-6-2 x WW115926)	08 SCN P III	F5	Rps3a
7 JTN-4108	WTbl	Hamilton x PI 438489B	1	F7	
8 JTN-4208	WTbl	Hamilton x PI 438489B	1	F7	
9 LD04-12754	PTbl	A99-315026 x U98-311442	1	F5	
10 LD05-8517	WGbF	LD00-2817 x Syngenta S38-T8	1	F5	
11 LD05-30578a	PTbl/br	LD00-3309(2) x [LD00-4970(2) x (Dowling x Loda)]	08 SCN P III	F3	Rag1
12 LS05-3229	PTbl	LS93-0375 x Ina	1	F6	
13 SS03-16650	WTbl	LN95-6446 x Northrup King S39-11	2	F5	

Entry	IL SCN screening				Purdue SCN screening		SIU SDS
	HG 0		HG 2.5.7		HG 0	HG 2.5.7	Valmeyer
	Fl	rating	Fl	rating	rating	rating	DX
1 LD00- 3309	8	HR	70	NR	R	S	14
2 IA4004	79	NR	41	LR	S	S	22
3 LD00- 2817P	1	HR	1	HR	R	R	14
4 LD02- 9050	6	HR	61	NR	R	MR	27
5 CL04-105111Br	5	HR	70	NR	MR	MR	18
6 CL04-105111Tn	4	HR	76	NR	MR	MR	22
7 JTN-4108	2	HR	58	LR	R	R	39
8 JTN-4208	2	HR	63	NR	R	R	44
9 LD04-12754	28	**	49	LR	R	MS	3
10 LD05-8517	3	HR	76	NR	R	MR	8
11 LD05-30578a	4	HR	71	NR	R	MR	21
12 LS05-3229	6	HR	62	NR	R	MS	7
13 SS03-16650	3	HR	93	NR	R	MR	44

**Cyst counts too variable to rate.

6 Ripley (res)
61 Spencer (sus)
21 Mean
30 LSD (P<0.05)

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2009 Summary

Entry	Yield				Maturity date	Lodging score	Height in.	Seed			
	bu/a	rank	bu/a	rank				quality score	weight g/100	protein %	oil %
Locations	6		5		8	10	10	9	9	6	6
1 LD00- 3309	63.0	2	56.5	7	926	1.4	32	2.6	13.7	33.5	18.4
2 IA4004	55.1	12	60.1	2	-5	2.0	30	2.8	17.0	34.5	18.4
3 LD00- 2817P	61.3	6	55.7	10	3	1.9	34	2.9	14.3	33.4	18.2
4 LD02- 9050	61.5	5	57.9	5	-5	1.4	31	2.4	16.0	33.8	18.3
5 CL04-105111Br	61.7	4	54.9	12	-2	1.7	32	2.3	17.3	35.6	17.7
6 CL04-105111Tn	59.5	8	56.5	7	-2	1.6	32	2.4	16.7	35.2	17.7
7 JTN-4108	57.9	10	55.6	11	6	1.4	31	2.3	15.3	35.8	18.0
8 JTN-4208	53.6	13	58.5	4	6	1.4	32	2.3	15.1	35.5	17.9
9 LD04-12754	59.3	9	57.8	6	0	1.3	30	2.6	14.8	33.9	18.0
10 LD05-8517	57.6	11	56.0	9	-1	1.3	29	2.8	16.0	34.2	18.9
11 LD05-30578a	62.7	3	54.4	13	2	1.3	32	2.6	14.8	34.6	17.9
12 LS05-3229	65.2	1	61.7	1	4	1.8	36	2.7	16.6	34.8	17.6
13 SS03-16650	60.4	7	59.5	3	-1	1.8	34	2.6	15.5	35.0	17.5

2 year summary

Entry	Yield				Maturity date	Lodging score	Height in.	Seed			
	bu/a	rank	bu/a	rank				quality score	weight g/100	protein %	oil %
Locations	12		7		19	21	21	20	20	13	13
1 LD00- 3309	60.7	5	51.0	7	927	1.4	30.9	2.3	13.0	33.6	18.3
3 LD00- 2817P	62.0	2	51.2	6	4	1.8	33.6	2.5	13.7	33.0	18.6
4 LD02- 9050	61.8	3	53.7	4	-3	1.6	30.6	2.2	15.2	33.9	18.5
7 JTN-4108	54.7	8	46.8	9	8	1.3	30.2	2.1	14.5	35.5	18.2
8 JTN-4208	51.5	9	50.2	8	8	1.4	31.2	2.1	14.5	35.5	17.9
9 LD04-12754	60.8	4	54.1	3	0	1.4	30.0	2.2	14.2	33.7	18.4
10 LD05-8517	60.5	6	51.6	5	-1	1.2	27.7	2.3	15.2	33.9	19.1
12 LS05-3229	62.8	1	54.8	1	2	1.8	33.8	2.4	15.0	34.4	18.1
13 SS03-16650	58.7	7	54.3	2	0	1.5	32.2	2.2	15.2	34.5	18.1

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Yield (bu/a)

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	77.1	67.0	40.1	70.1	50.6	73.3	47.2	49.5	75.5	70.2	40.1
2 IA4004	61.6	59.3	31.9	69.5	50.5	58.0	53.5	47.8	83.8	67.0	48.4
3 LD00- 2817P	71.4	61.8	46.6	66.6	44.1	77.0	51.4	43.8	73.6	66.5	43.4
4 LD02- 9050	68.1	64.2	47.6	65.7	49.2	74.3	53.7	48.1	81.4	68.3	38.1
5 CL04-105111Br	62.1	65.6	46.1	63.8	52.0	80.7	45.4	45.3	80.5	68.8	34.4
6 CL04-105111Tn	66.9	66.6	39.6	66.6	50.5	66.7	49.8	47.4	79.3	67.6	38.4
7 JTN-4108	65.1	55.3	45.9	62.8	42.8	75.7	48.4	48.3	76.5	70.3	34.4
8 JTN-4208	60.2	54.2	39.8	64.0	43.1	60.3	49.2	47.8	82.6	69.3	43.4
9 LD04-12754	68.9	68.4	29.4	69.1	51.5	68.7	46	50.4	85.4	69.5	37.6
10 LD05-8517	72.6	66.6	30.5	68.7	51.0	56.0	53.7	45.0	73.2	64.6	43.5
11 LD05-30578a	76.1	68.1	39.5	67.0	52.4	73.0	41.2	46.1	76.3	66.1	42.4
12 LS05-3229	70.9	69.0	56.5	64.6	48.2	81.7	56.4	49.3	78.3	79.5	45.1
13 SS03-16650	60.7	63.0	46.2	64.0	53.3	75.0	59.6	46.1	79.2	66.4	46.2
Average	67.8	63.8	41.5	66.3	49.2	70.8	50.4	47.3	78.9	68.8	41.2
LSD(.05)	9.3	5.8	7.1	4.7	6.8	16.2	9.3	2.7	10.1	6.4	6.8
C.V. %	8.1	4.4	10.1	4.2	9.9	13.5	10.9	3.3	9.2	6.7	9.8
Replications	3	2	3	3	3	3	3	3	3	3	3
Row spacing (in.)	30	30	30	30	30	30	30	30	16	30	30

Yield (rank)

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	1	4	7	1	6	7	10	2	11	3	8
2 IA4004	11	11	11	2	7	12	5	6	2	9	1
3 LD00- 2817P	4	10	3	6	11	3	6	13	12	10	5
4 LD02- 9050	7	8	2	8	9	6	4	5	4	7	10
5 CL04-105111Br	10	7	5	12	3	2	12	11	5	6	12
6 CL04-105111Tn	8	5	9	6	7	10	7	8	6	8	9
7 JTN-4108	9	12	6	13	13	4	9	4	9	2	12
8 JTN-4208	13	13	8	10	12	11	8	6	3	5	5
9 LD04-12754	6	2	13	3	4	9	11	1	1	4	11
10 LD05-8517	3	5	12	4	5	13	3	12	13	13	4
11 LD05-30578a	2	3	10	5	2	8	13	9	10	12	5
12 LS05-3229	5	1	1	9	10	1	2	3	8	1	3
13 SS03-16650	12	9	4	10	1	5	1	9	7	11	2

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Maturity

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	9/24	10/4	9/18	9/30			9/29		10/04	9/21	9/22
2 IA4004	-3	-10	-5	-2			-4		-13	-3	-1
3 LD00- 2817P	5	3	6	5			2		0	1	5
4 LD02- 9050	-3	-4	-4	-5			-3		-13	-3	-2
5 CL04-105111Br	-1	0	-2	-1			-3		-7	-2	-2
6 CL04-105111Tn	-2	-1	-2	-1			-3		-5	-2	-3
7 JTN-4108	8	6	4	8			4		4	7	7
8 JTN-4208	8	5	6	9			4		2	7	6
9 LD04-12754	-1	1	0	0			-1		-3	0	2
10 LD05-8517	2	1	0	1			-1		-7	-2	0
11 LD05-30578a	2	1	2	2			0		1	2	3
12 LS05-3229	7	5	4	7			3		2	2	4
13 SS03-16650	-1	-6	1	2			-1		-1	0	1
Planted	5/30	5/23	5/12	5/28	6/23	6/1	6/6	5/19	5/13	5/21	5/21

Lodging (score)

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	1.3	1.0	2.0	2.0		1.0	1.0	1.0	2.0	1.0	2.0
2 IA4004	2.3	1.5	2.0	1.7		1.0	1.3	1.7	2.8	2.3	3.0
3 LD00- 2817P	3.3	1.5	2.0	2.7		1.0	1.0	1.7	2.0	1.7	2.0
4 LD02- 9050	1.0	1.5	2.0	1.3		1.0	1.0	1.0	1.8	1.0	2.0
5 CL04-105111Br	1.3	2.0	2.0	1.7		1.0	1.0	1.3	2.3	1.0	3.0
6 CL04-105111Tn	1.2	2.0	2.0	2.0		1.0	1.0	1.0	2.3	1.7	2.0
7 JTN-4108	1.0	1.3	1.0	1.7		1.0	1.0	1.0	1.8	1.7	2.0
8 JTN-4208	1.2	1.0	2.0	1.7		1.0	1.0	1.0	1.8	1.0	2.0
9 LD04-12754	1.2	1.3	2.0	1.0		1.0	1.0	1.0	1.8	1.0	2.0
10 LD05-8517	1.7	1.0	1.0	2.0		1.0	1.0	1.0	1.0	1.0	2.0
11 LD05-30578a	1.5	1.0	1.0	1.3		1.0	1.0	1.0	2.0	1.0	2.0
12 LS05-3229	2.3	2.5	1.0	2.3		1.0	1.0	1.0	2.2	1.7	3.0
13 SS03-16650	1.5	1.8	2.0	2.0		1.0	1.0	1.3	2.2	2.0	3.0

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Height (inches)

Strain	Grand											Portage-
	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Junction	Sandoval	Ottawa	Lexington	Columbia	ville	
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO	
SCN HG Type	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI	NI
1 LD00- 3309	37	34	28	38		30	26	31	41	33	24	
2 IA4004	36	34	23	38		26	24	31	35	32	24	
3 LD00- 2817P	37	38	30	43		33	28	33	40	36	25	
4 LD02- 9050	34	35	27	37		30	24	31	35	30	24	
5 CL04-105111Br	35	37	26	39		27	25	31	37	33	26	
6 CL04-105111Tn	35	33	35	40		28	25	31	36	32	23	
7 JTN-4108	36	36	24	37		28	24	30	40	34	22	
8 JTN-4208	35	38	26	40		26	27	31	41	34	26	
9 LD04-12754	34	34	27	36		28	25	29	36	31	22	
10 LD05-8517	33	29	24	37		26	23	29	33	29	24	
11 LD05-30578a	37	36	27	40		30	22	31	39	35	21	
12 LS05-3229	40	39	30	43		36	28	33	44	35	30	
13 SS03-16650	40	36	29	41		31	30	33	40	36	26	

Seed Quality (score)

Strain	Grand											Portage-
	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Junction	Sandoval	Ottawa	Lexington	Columbia	ville	
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO	
SCN HG Type	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI	NI
1 LD00- 3309	1.0	1.0	3.0	2.0		4.0		2.0	4.0	1.0	5.0	
2 IA4004	1.0	1.0	4.0	3.0		4.0		3.0	3.0	1.0	5.0	
3 LD00- 2817P	1.0	1.0	4.0	3.0		4.0		3.0	4.0	1.0	5.0	
4 LD02- 9050	1.0	2.0	3.0	2.0		4.0		3.0	3.0	1.0	3.0	
5 CL04-105111Br	1.0	1.0	3.0	2.0		4.0		3.0	3.0	1.0	3.0	
6 CL04-105111Tn	1.0	1.0	3.0	3.0		4.0		3.0	2.0	1.0	4.0	
7 JTN-4108	1.0	1.0	2.0	2.0		4.0		2.0	3.0	1.0	5.0	
8 JTN-4208	1.0	1.0	3.0	2.0		4.0		2.0	2.0	2.0	4.0	
9 LD04-12754	1.0	1.0	3.0	2.0		4.0		3.0	3.0	1.0	5.0	
10 LD05-8517	1.0	1.0	4.0	2.0		4.0		3.0	3.0	2.0	5.0	
11 LD05-30578a	1.0	1.0	3.0	2.0		4.0		3.0	3.0	1.0	5.0	
12 LS05-3229	1.0	1.0	4.0	2.0		4.0		2.0	4.0	1.0	5.0	
13 SS03-16650	1.0	1.0	4.0	2.0		4.0		2.0	3.0	1.0	5.0	

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Seed Weight (g/100)

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	13.1	13.2	12.2	14.2		12.9		13.9	14.1	16.6	13.3
2 IA4004	16.1	16.0	17.5	19.2		15.4		16.5	18.4	16.1	17.9
3 LD00- 2817P	14.1	13.8	12.8	15.4		13.5		13.3	14.6	17.2	14.4
4 LD02- 9050	15.6	16.2	15.8	16.7		14.2		15.9	18.0	16.1	15.9
5 CL04-105111Br	16.0	18.5	17.0	18.5		15.9		15.8	19.7	16.9	17.8
6 CL04-105111Tn	15.9	17.6	16.2	17.3		15.1		16.6	19.6	14.4	17.4
7 JTN-4108	15.1	15.3	13.3	15.6		13.9		16.2	18.0	15.2	15.5
8 JTN-4208	15.0	15.0	13.6	16.1		14.1		15.8	17.1	13.9	15.7
9 LD04-12754	15.0	13.4	14.1	16.1		13.5		15.1	16.3	14.3	15.7
10 LD05-8517	16.1	16.4	16.2	17.9		14.6		15.6	16.5	14.0	16.8
11 LD05-30578a	14.5	14.8	15.1	15.0		13.0		14.8	14.3	16.6	15.5
12 LS05-3229	17.0	15.6	16.7	17.5		15.0		16.3	18.8	15.2	17.2
13 SS03-16650	14.3	15.4	15.9	17.1		15.0		15.7	15.8	13.9	16.2

Protein (%)

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	33.7	32.4	32.7	34.0					35.1	33.1	
2 IA4004	34.3	32.3	33.6	35.8					36.7	33.9	
3 LD00- 2817P	33.6	31.8	31.7	32.3					35.7	35.1	
4 LD02- 9050	33.4	31.9	34.1	34.1					35.0	34.2	
5 CL04-105111Br	35.3	33.6	36.2	35.3					37.3	35.8	
6 CL04-105111Tn	35.2	34.1	35.2	34.6					37.2	34.9	
7 JTN-4108	36.1	33.9	35.2	36.2					37.2	36.0	
8 JTN-4208	35.2	35.7	35.4	35.7					37.0	33.9	
9 LD04-12754	33.2	32.5	33.4	34.0					35.9	34.4	
10 LD05-8517	34.0	31.9	33.7	34.4					35.6	35.8	
11 LD05-30578a	34.2	34.0	34.4	34.3					35.9	35.1	
12 LS05-3229	34.7	32.9	35.1	35.2					36.8	34.0	
13 SS03-16650	33.9	31.9	35.4	35.0					37.5	36.3	

Oil (%)

SCN HG Type	Harrisburg	Urbana	Clarkton	Ashland	Novelty	Grand Junction	Sandoval	Ottawa	Lexington	Columbia	Portage-ville
	IL	IL	MO	KS	MO	TN	IL	KS	KY	MO	MO
	2.5.7	2.5.7	1.2.5.7	I	I	I	ns	NI	NI	NI	NI
Strain											
1 LD00- 3309	18.0	18.5	19.2	18.4					16.8	19.3	
2 IA4004	17.9	19.2	18.9	18.3					17.0	19.2	
3 LD00- 2817P	19.0	19.0	19.0	18.0					16.6	17.8	
4 LD02- 9050	18.3	18.6	18.8	18.2					17.6	18.0	
5 CL04-105111Br	17.8	17.4	18.4	18.0					16.8	17.5	
6 CL04-105111Tn	18.0	17.7	17.3	17.4					17.6	18.2	
7 JTN-4108	18.6	17.2	17.7	18.4					17.9	17.8	
8 JTN-4208	17.7	18.9	17.5	17.3					17.4	18.9	
9 LD04-12754	18.0	18.2	18.8	17.7					17.4	18.1	
10 LD05-8517	19.0	19.3	19.9	18.6					18.5	17.8	
11 LD05-30578a	18.1	18.6	18.8	17.8					17.0	17.3	
12 LS05-3229	17.9	17.5	17.7	17.7					16.9	17.8	
13 SS03-16650	17.9	18.4	18.1	17.2					16.5	17.2	