

2012 SCN UNIFORM TEST IV

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Traits
1 LD00- 3309	PTbl	Maverick x Dwight	7	F5	
2 IA4005	WLTbl+bf	IA3023 x IA3025	1	F4	1% linolenic
3 LD00- 2817P	PGibl	Ina x Dwight	5	F5	
4 LD02- 9050	PTbl	LN97-24270 x LS93-0375	6	F5	
5 K09-1599	PGbf	435.TCS x MD03-5453	11 SCN P IV	F4	
6 LD06-7620	PGbl	IA3023 x LD00- 3309	2	F5	
7 LD08-7227bf	WGbfbf	Soygenetics M30121 x LD02-5137	11 SCN P IV	F5	
8 LS07-2935	PTbl	SS98-7851 x LD00-3309	1	F5	
9 LS07-3125	WGibl+bf	SS98-7851 x LD00-3309	1	F5	
10 LS07-3131	PGibl	SS98-7851 x LD00-3309	1	F5	
11 LS08-5837	WTbl	LS93-0375 x LS98-0582	11 SCN P IV	F6	
12 LS08-6034	PGibl	MD96-5722 x LS01-0971	11 SCN P IV	F6	

Entry	IL SCN screening				SIU SDS
	HG 0		HG 2.5.7		Valmeyer
	Fl	rating	Fl	rating	DX
1 LD00- 3309	10	R	59	LR	2
2 IA4005	78	NR	81	NR	42
3 LD00- 2817P	1	HR	2	HR	1
4 LD02- 9050	11	R	66	NR	4
5 K09-1599	38	MR	75	NR	35
6 LD06-7620	9	HR	58	LR	21
7 LD08-7227bf	4	HR	54	LR	34
8 LS07-2935	4	HR	52	LR	9
9 LS07-3125	10	R	81	NR	21
10 LS07-3131	5	HR	75	NR	6
11 LS08-5837	7	HR	64	NR	12
12 LS08-6034	55	LR	76	NR	4

Ripley (res) 6
 Spencer (sus) 58
 LSD 35

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 LD00- 3309		54.6	7	42.6	6	9/23	1.8	33	2.0	13.3	33.2	7	19.0
2 IA4005		61.4	1	40.9	10	2	1.5	31	2.1	15.0	34.8		18.7
3 LD00- 2817P		52.8	9	40.0	12	5	2.0	37	2.6	14.4	32.1		19.6
4 LD02- 9050		50.2	12	40.9	10	-2	2.1	34	1.9	15.6	33.5		19.2
5 K09-1599		54.7	6	45.0	1	0	2.3	36	2.4	16.8	33.9		20.2
6 LD06-7620		52.7	10	44.4	4	0	1.6	31	2.2	15.0	34.0		19.1
7 LD08-7227bf		54.8	5	41.1	9	1	2.3	34	2.3	16.7	34.0		19.7
8 LS07-2935		55.9	4	42.6	6	4	2.5	41	1.6	16.7	34.2		19.2
9 LS07-3125		57.8	2	44.6	3	2	1.6	36	1.8	13.8	33.3		19.9
10 LS07-3131		57.3	3	44.7	2	4	1.8	37	1.8	16.5	33.8		19.0
11 LS08-5837		53.2	8	42.2	8	3	2.1	38	1.6	15.4	34.9		18.2
12 LS08-6034		50.3	11	44.0	5	7	2.4	41	2.2	18.4	36.2		18.0

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 LD00- 3309		48.2	6	42.7	7	9/22	1.5	33	2.0	11.9	33.4		18.9
2 IA4005		53.5	1	44.9	4	3	1.4	31	1.9	13.5	34.1		18.8
3 LD00- 2817P		47.6	8	41.5	8	5	1.8	36	2.4	12.6	31.8		19.5
4 LD02- 9050		47.6	7	42.9	6	-1	2.0	34	2.0	14.1	33.2		19.5
6 LD06-7620		49.7	5	43.6	5	0	1.4	30	2.1	13.6	33.7		19.2
8 LS07-2935		51.6	4	45.4	3	5	2.3	40	1.7	15.1	34.2		19.0
9 LS07-3125		51.9	3	46.5	2	4	1.4	35	1.7	12.6	33.2		19.9
10 LS07-3131		52.6	2	46.7	1	6	1.6	37	1.8	14.9	33.4		19.2

2012 SCN UNIFORM TEST IV

Yield (bu/a)

Strain	Yield (bu/a)							
	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
SCN HG Type	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	45.4	64.3	34.8	73.8	56.6	18.9	55.9	39.1
2 IA4005	44.9	69.2	43.3	88.0	53.9	20.5	48.3	41.0
3 LD00- 2817P	43.8	62.7	36.7	67.8	57.8	18.9	46.8	36.4
4 LD02- 9050	35.6	61.5	28.0	75.7	54.5	19.7	51.5	38.0
5 K09-1599	43.3	68.2	38.7	68.6	57.8	24.6	52.5	45.1
6 LD06-7620	39.7	70.1	25.4	75.4	60.3	16.5	54.3	46.3
7 LD08-7227bf	43.8	66.8	25.9	82.5	58.7	19.3	50.2	36.3
8 LS07-2935	50.3	67.0	27.4	78.9	55.7	19.3	52.3	43.2
9 LS07-3125	49.4	68.5	30.8	82.7	55.9	20.1	56.4	45.9
10 LS07-3131	63.2	66.2	29.5	70.4	54.9	20.5	61.9	41.5
11 LS08-5837	53.4	63.5	24.1	71.7	49.8	22.0	52.6	44.4
12 LS08-6034	57.0	58.2	20.7	65.3	51.7	27.8	59.2	37.4
Average	47.5	65.5	30.4	75.1	55.6	20.7	53.5	41.2
LSD(.05)	15.6	3.4	6.9	14.9	7.3	2.8	10.5	6.8
C.V. %	17.1	3.0	11.1	11.7	6.4	8.0	9.6	9.7
Replications	2	3	3	3	2	3	3	3
Row spacing (in.)	30	30	30	30	30	30	30	30

Yield (rank)

Strain	Yield (rank)							
	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
SCN HG Type	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	6	8	4	7	5	10	4	8
2 IA4005	7	2	1	1	10	4	11	7
3 LD00- 2817P	8	10	3	11	3	11	12	11
4 LD02- 9050	12	11	7	5	9	7	9	9
5 K09-1599	10	4	2	10	4	2	7	3
6 LD06-7620	11	1	10	6	1	12	5	1
7 LD08-7227bf	8	6	9	3	2	8	10	12
8 LS07-2935	4	5	8	4	7	9	8	5
9 LS07-3125	5	3	5	2	6	6	3	2
10 LS07-3131	1	7	6	9	8	5	1	6
11 LS08-5837	3	9	11	8	12	3	6	4
12 LS08-6034	2	12	12	12	11	1	2	10

Maturity

Strain	Maturity							
	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
SCN HG Type	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	9/29	9/28	9/16	10/02	9/30		9/17	9/08
2 IA4005	3	5	1	4	-4		1	0
3 LD00- 2817P	7	7	2	0	7		6	3
4 LD02- 9050	-2	0	-1	0	-3		-1	-4
5 K09-1599	2	3	1	1	-1		0	-4
6 LD06-7620	3	4	-1	4	-3		0	-3
7 LD08-7227bf	1	4	1	-2	4		-1	-3
8 LS07-2935	1	8	1	4	7		2	5
9 LS07-3125	2	5	1	1	3		1	3
10 LS07-3131	8	6	0	0	4		4	4
11 LS08-5837	3	7	1	3	4		2	2
12 LS08-6034	9	10	2	5	12		7	5
Planted	5/17	5/16	5/21	5/16	5/15	5/29	4/23	5/09

2012 SCN UNIFORM TEST IV

Lodging (score)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
Strain	I	2.7	1.2.5.6.7	I	NI	NI	NI	NI
1 LD00- 3309	1.3	2.0	2.0	1.5	1.3	1.0	3.0	2.0
2 IA4005	1.3	2.0	2.0	1.5	1.0	1.0	2.0	1.3
3 LD00- 2817P	1.3	2.7	3.0	1.7	1.5	1.0	2.0	2.7
4 LD02- 9050	1.3	3.7	3.0	1.5	1.5	1.0	2.0	2.7
5 K09-1599	1.8	3.0	3.0	1.8	1.8	1.0	3.0	2.7
6 LD06-7620	1.5	2.7	1.0	1.5	1.3	1.0	2.0	2.0
7 LD08-7227bf	1.5	3.0	3.0	1.7	2.0	1.0	3.0	3.3
8 LS07-2935	1.8	3.0	3.0	2.5	2.5	1.0	3.0	3.0
9 LS07-3125	1.0	2.3	2.0	1.5	1.3	1.0	2.0	1.7
10 LS07-3131	1.3	2.0	2.0	1.5	1.5	1.0	3.0	2.3
11 LS08-5837	2.0	2.7	3.0	1.7	1.5	1.0	3.0	2.3
12 LS08-6034	1.5	3.7	3.0	2.3	2.0	1.0	3.0	3.0

Height (inches)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
Strain	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	26	45	29	35	37	21	31	40
2 IA4005	23	44	30	33	36	22	25	35
3 LD00- 2817P	27	49	42	37	42	24	33	43
4 LD02- 9050	25	44	38	36	38	21	32	39
5 K09-1599	26	51	37	37	41	24	33	42
6 LD06-7620	24	42	26	29	37	19	32	36
7 LD08-7227bf	25	49	31	36	43	20	33	38
8 LS07-2935	34	54	38	42	45	27	38	46
9 LS07-3125	30	47	34	38	42	24	33	42
10 LS07-3131	29	51	31	38	42	25	37	46
11 LS08-5837	34	51	30	41	44	27	36	45
12 LS08-6034	37	51	37	44	44	25	44	48

Seed Quality (score)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
Strain	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	1.0	3.0	2.0	1.3	1.0	2.0	3.0	2.3
2 IA4005	2.0	3.0	1.0	1.7	1.0	3.0	3.0	2.3
3 LD00- 2817P	2.0	3.0	3.0	1.7	2.0	3.0	3.0	3.3
4 LD02- 9050	2.0	2.0	1.0	1.3	2.0	3.0	2.0	2.0
5 K09-1599	3.0	3.0	1.0	1.5	1.0	4.0	3.0	2.3
6 LD06-7620	2.0	3.0	2.0	1.3	1.0	3.0	3.0	2.0
7 LD08-7227bf	2.0	3.0	2.0	1.5	1.0	4.0	3.0	2.0
8 LS07-2935	1.0	2.0	1.0	1.7	1.0	2.0	2.0	2.0
9 LS07-3125	2.0	3.0	1.0	1.0	1.0	2.0	2.0	2.0
10 LS07-3131	2.0	2.0	1.0	1.5	1.0	3.0	2.0	2.0
11 LS08-5837	1.0	3.0	1.0	1.2	1.0	2.0	2.0	2.0
12 LS08-6034	1.0	3.0	2.0	1.7	2.0	3.0	3.0	2.0

2012 SCN UNIFORM TEST IV

Seed Weight (g/100)

Strain	Seed Weight (g/100)							
	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
SCN HG Type	I	2.7	1.2.5.6.7	I	NI	NI	NI	NI
1 LD00- 3309	14.7	13.3	11.4	15.2	15.0	12.1	12.9	12.1
2 IA4005	16.8	15.4	12.1	17.5	16.2	14.0	14.9	13.0
3 LD00- 2817P	16.2	13.3	13.8	15.0	15.5	14.8	14.7	12.1
4 LD02- 9050	17.2	15.6	13.0	16.8	17.9	14.9	15.5	13.5
5 K09-1599	19.3	17.6	13.2	17.7	20.3	17.1	15.9	13.5
6 LD06-7620	16.8	14.3	12.9	17.3	17.4	15.2	11.9	14.0
7 LD08-7227bf	19.0	15.8	13.7	18.6	19.8	17.5	14.4	14.7
8 LS07-2935	19.1	15.1	14.4	18.8	19.7	16.1	15.7	14.6
9 LS07-3125	15.3	13.1	11.1	16.1	16.9	14.0	11.0	13.0
10 LS07-3131	18.9	15.3	13.2	17.4	19.8	16.7	16.2	14.1
11 LS08-5837	17.1	15.1	13.9	16.9	17.3	14.9	15.2	13.1
12 LS08-6034	21.0	18.5	14.9	20.1	19.6	18.4	18.3	16.1

Protein (%)

Strain	Protein (%)							
	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
SCN HG Type	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	34.3	34.3	31.2	34.3	33.0		33.3	32.3
2 IA4005	36.3	35.1	32.8	35.4	32.6		35.7	35.7
3 LD00- 2817P	31.7	33.1	30.3	32.7	33.6		31.4	31.9
4 LD02- 9050	34.0	35.0	31.8	32.8	33.1		33.2	34.2
5 K09-1599	35.8	35.3	31.0	34.0	32.5		34.5	34.1
6 LD06-7620	35.3	34.5	31.1	34.6	32.1		36.0	34.3
7 LD08-7227bf	34.8	35.6	29.4	34.0	35.1		33.5	35.5
8 LS07-2935	35.2	34.9	31.6	35.0	35.6		34.1	33.1
9 LS07-3125	34.2	34.1	30.7	34.2	33.9		32.1	33.9
10 LS07-3131	34.3	35.0	30.9	34.1	35.7		31.9	34.8
11 LS08-5837	34.6	35.8	34.7	34.9	35.1		34.8	34.3
12 LS08-6034	37.1	37.7	32.6	36.5	37.0		37.2	35.6

Oil (%)

Strain	Oil (%)							
	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Portage-ville	Jackson
	IL	KS	MO	MO	IL	KS	MO	TN
SCN HG Type	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI	NI
1 LD00- 3309	18.7	18.9	19.9	18.1	18.8		19.1	19.8
2 IA4005	18.0	19.0	19.8	17.6	19.7		18.8	17.8
3 LD00- 2817P	19.6	20.0	21.4	19.1	18.4		20.1	18.6
4 LD02- 9050	18.8	18.9	19.6	19.3	18.9		20.2	19.0
5 K09-1599	19.3	19.9	22.1	19.7	20.2		20.3	20.1
6 LD06-7620	18.0	19.0	20.7	18.0	19.9		18.9	19.1
7 LD08-7227bf	19.6	19.0	22.0	19.0	17.9		20.3	19.8
8 LS07-2935	18.3	18.4	21.4	18.2	17.6		20.1	20.3
9 LS07-3125	19.4	19.6	22.7	18.5	19.0		19.6	20.6
10 LS07-3131	17.8	19.0	21.5	18.6	18.6		19.7	18.0
11 LS08-5837	18.3	18.2	18.8	17.9	17.8		18.0	18.7
12 LS08-6034	17.4	17.7	20.3	17.4	17.0		17.1	19.3