

2013 SCN UNIFORM TEST IV

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 LD06-7620	PGbl	IA3023 x LD00- 3309	2	F5	PI88788	
2 IA4005	WLtbl	IA3023 x IA3025	1	F4	None	1% linolenic
3 LD00- 2817P	PGibl	Ina x Dwight	5	F5	PI88788 / PI437654	
4 LD07-3395bf	WGbf	LD07-3395 RESELECTION	12 SCN P IV	F5	PI88788 / PI437654	
5 LD09-12184	P+WGibl+bf	Soygenetics M30504 x LD01-7323	12 SCN P IV	F5	PI88788	
6 LS07-2935	PTbl	SS98-7851 x LD00-3309	2	F5	PI88788	
7 LS07-3125	WGbf	SS98-7851 x LD00-3309	2	F5	PI88788	
8 LS07-3131	PGibl	SS98-7851 x LD00-3309	2	F5	PI88788	
9 LS08-5837	WTbl	LS93-0375 x LS98-0582	1	F6	PI88788	
10 LS09-1527	PLtbr	Syngenta 30257-b02-07197 x LS01-3615	12 SCN P IV	F6	na	
11 LS09-1803	WTbl	LD00-1938 x LS02-2213	12 SCN P IV	F6	PI88788	
12 LS09-2342	WTbl	Syngenta 98620-b1-51163 x LS01-1734	12 SCN P IV	F6	na	
13 LS09-2655	WGbf	Syngenta 98620-b1-51163 x LS02-0425	12 SCN P IV	F6	na	
14 LS09-2659	PGibl	Syngenta 98620-b1-51163 x LS02-0425	12 SCN P IV	F6	na	
15 LS09-2722	PLtgr	Syngenta 98620-b1-51163 x LS02-0425	12 SCN P IV	F6	na	

Entry	IL SCN screening				SIU SDS
	HG 0		HG 2.5.7		Valmeyer
	Fl	rating	Fl	rating	DX
1 LD06-7620	6	HR	52	LR	22
2 IA4005	63	NR	65	NR	28
3 LD00- 2817P	0	HR	4	HR	6
4 LD07-3395bf	3	HR	21	R	16
5 LD09-12184	4	HR	74	NR	36
6 LS07-2935	2	HR	49	LR	22
7 LS07-3125	4	HR	66	NR	33
8 LS07-3131	7	HR	58	LR	22
9 LS08-5837	6	HR	67	NR	12
10 LS09-1527	2	HR	55	LR	50
11 LS09-1803	11	R	53	LR	25
12 LS09-2342	11	R	63	NR	25
13 LS09-2655	11	R	77	NR	44
14 LS09-2659	10	R	74	NR	42
15 LS09-2722	4	HR	57	LR	42

Ripley (res) 12  
 Spencer (sus) 64  
 LSD 17

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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							
		5		5		8	10	10	10	10	7	7
1	LD06-7620	50.4	5	59.8	9	927	1.3	31	2.2	14.0	32.8	19.6
2	IA4005	43.4	14	54.8	12	-1	1.1	28	2.0	13.9	33.2	19.5
3	LD00- 2817P	49.1	11	52.3	15	3	1.7	35	2.2	13.4	32.2	20.1
4	LD07-3395bf	51.7	1	62.6	2	-1	1.2	28	2.3	15.4	32.2	20.4
5	LD09-12184	50.6	4	61.3	5	0	1.6	36	2.0	14.6	33.8	19.6
6	LS07-2935	49.4	10	58.0	11	2	2.0	39	1.9	15.5	33.6	19.5
7	LS07-3125	48.6	13	53.1	13	0	1.2	35	1.9	13.0	33.1	20.1
8	LS07-3131	50.2	6	61.3	5	2	1.5	36	1.8	15.0	33.3	19.7
9	LS08-5837	43.4	14	52.5	14	0	1.6	34	2.1	13.9	33.8	18.9
10	LS09-1527	51.1	3	60.7	7	3	2.0	35	1.9	16.3	32.9	19.9
11	LS09-1803	51.4	2	60.0	8	3	2.3	37	1.7	13.4	33.7	18.9
12	LS09-2342	49.0	12	59.7	10	2	2.0	36	2.1	15.9	33.4	20.7
13	LS09-2655	50.2	6	61.7	4	3	1.2	35	2.3	16.9	34.6	19.6
14	LS09-2659	50.2	6	63.5	1	4	1.3	35	2.4	16.9	34.1	19.7
15	LS09-2722	50.0	9	62.2	3	4	1.2	32	2.4	15.6	34.9	19.4

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							
		9		9		15	18	18	18	18	14	14
1	LD06-7620	51.5	5	52.1	2	925	1.4	31	2.2	14.5	33.4	19.3
2	IA4005	52.4	4	47.8	5	0	1.3	30	2.1	14.5	34.0	19.1
3	LD00- 2817P	50.9	6	46.1	7	4	1.8	36	2.4	13.9	32.1	19.8
6	LS07-2935	52.7	3	50.3	3	3	2.2	40	1.8	16.1	33.9	19.4
7	LS07-3125	53.2	2	48.8	4	1	1.4	36	1.8	13.4	33.2	20.0
8	LS07-3131	53.8	1	53.0	1	3	1.7	37	1.8	15.7	33.6	19.3
9	LS08-5837	48.3	7	47.3	6	2	1.8	36	1.9	14.7	34.3	18.6

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Strain	Yield (bu/a)									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Portage-	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	ville	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
1 LD06-7620	51.5	60.9	46.9	66.5	26.0	77.6	48.7	66.9	37.7	68.3
2 IA4005	53.4	60.8	40.3	41.0	21.7	65.2	48.0	59.8	39.2	61.7
3 LD00- 2817P	45.0	59.2	47.7	60.3	33.5	65.1	40.4	47.4	40.5	67.9
4 LD07-3395bf	54.3	60.7	50.4	66.4	26.7	69.4	51.8	71.5	43.7	76.4
5 LD09-12184	47.5	58.2	57.1	68.5	21.6	65.5	50.9	72.5	48.6	69.2
6 LS07-2935	41.8	61.2	51.3	63.6	29.2	60.2	46.3	63.1	54.8	65.8
7 LS07-3125	45.7	60.5	47.8	63.6	25.3	56.0	47.3	55.8	42.3	64.0
8 LS07-3131	42.1	58.9	54.5	69.5	26.0	63.6	44.2	70.5	56.0	72.4
9 LS08-5837	42.9	61.0	39.1	54.5	19.3	63.7	38.8	57.8	44.9	57.2
10 LS09-1527	49.7	60.4	54.9	61.2	29.5	71.7	50.0	54.0	55.5	72.3
11 LS09-1803	51.1	60.7	51.6	61.8	32.0	73.8	46.2	65.5	49.2	65.2
12 LS09-2342	51.3	60.2	50.1	61.4	22.1	71.0	45.2	63.5	57.1	61.7
13 LS09-2655	53.0	61.2	51.7	61.9	23.3	73.1	49.3	68.5	50.0	67.4
14 LS09-2659	50.6	60.6	51.7	63.6	24.3	75.4	47.7	69.6	59.4	65.5
15 LS09-2722	47.7	57.9	57.7	59.1	27.4	71.8	46.5	69.9	58.1	64.7
Average	48.5	60.2	50.2	61.4	25.9	68.2	46.7	63.7	49.1	66.6
LSD(.05)	8.1	1.7	7.0	6.0	33.5	11.3	5.0	13.6	9.9	7.9
C.V. %	8.2	1.8	8.4	7.0	17.4	8.0	7.7	12.8	9.8	7.1
Replications	2	3	3	3	3	2	3	3	3	3
Row spacing (in.)	30	30	30	30	30	30	30	30	30	30

Strain	Yield (rank)									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Portage-	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	ville	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
1 LD06-7620	4	4	13	3	7	1	5	7	15	5
2 IA4005	2	5	14	15	13	10	6	11	14	13
3 LD00- 2817P	12	12	12	12	1	11	14	15	13	6
4 LD07-3395bf	1	6	9	4	6	8	1	2	11	1
5 LD09-12184	10	14	2	2	14	9	2	1	9	4
6 LS07-2935	15	1	8	5	4	14	10	10	6	8
7 LS07-3125	11	9	11	5	9	15	8	13	12	12
8 LS07-3131	14	13	4	1	7	13	13	3	4	2
9 LS08-5837	13	3	15	14	15	12	15	12	10	15
10 LS09-1527	8	10	3	11	3	6	3	14	5	3
11 LS09-1803	6	6	7	9	2	3	11	8	8	10
12 LS09-2342	5	11	10	10	12	7	12	9	3	13
13 LS09-2655	3	1	5	8	11	4	4	6	7	7
14 LS09-2659	7	8	5	5	10	2	7	5	1	9
15 LS09-2722	9	15	1	13	5	5	9	4	2	11

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**Maturity**

Strain	Portage-									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
1 LD06-7620	9/26		10/1	9/25	9/16	9/29		9/28	10/9	9/21
2 IA4005	0		0	-2	2	-2		0	-2	-4
3 LD00- 2817P	2		0	4	11	1		3	1	0
4 LD07-3395bf	0		0	0	4	-7		-2	-2	-1
5 LD09-12184	0		2	0	5	-1		-1	-4	-4
6 LS07-2935	1		1	4	7	-1		0	-1	1
7 LS07-3125	0		2	1	6	-4		1	-4	-2
8 LS07-3131	2		-2	4	7	1		2	2	4
9 LS08-5837	4		-1	3	4	3		-1	-5	-4
10 LS09-1527	4		1	3	6	2		1	2	3
11 LS09-1803	5		1	4	7	5		4	0	0
12 LS09-2342	6		0	6	6	-3		-1	3	3
13 LS09-2655	6		2	1	7	-3		2	2	4
14 LS09-2659	5		2	2	6	2		6	3	4
15 LS09-2722	7		4	4	4	3		6	3	3
Planted	6/7	5/20	5/29	5/15	5/23	5/15	5/28	5/15	6/14	5/20

**Lodging (score)**

Strain	Portage-									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
1 LD06-7620	2.0	1.3	1.0	1.3	1.0	1.5	1.0	1.5	1.0	1.0
2 IA4005	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.0	1.0
3 LD00- 2817P	2.8	2.3	1.0	2.7	1.0	1.8	1.0	1.5	1.0	2.0
4 LD07-3395bf	1.5	1.0	1.0	1.3	1.0	1.0	1.0	1.5	1.0	1.7
5 LD09-12184	1.3	3.3	1.0	1.7	1.0	2.0	1.0	1.7	1.0	1.7
6 LS07-2935	2.3	3.3	1.0	2.7	1.0	2.3	1.3	2.3	1.0	2.3
7 LS07-3125	1.8	1.3	1.0	1.0	1.0	1.8	1.0	1.5	1.0	1.0
8 LS07-3131	2.0	2.0	1.0	1.7	1.0	1.5	1.0	1.7	1.0	2.0
9 LS08-5837	1.5	3.0	1.0	1.3	1.0	1.5	1.0	2.2	1.0	2.0
10 LS09-1527	2.5	5.0	1.3	2.3	1.0	1.8	1.0	1.5	1.0	2.3
11 LS09-1803	2.8	5.0	1.5	2.3	2.0	2.0	1.3	2.0	1.0	3.0
12 LS09-2342	3.0	5.0	1.2	2.3	1.0	1.0	1.0	1.7	1.0	3.0
13 LS09-2655	1.5	1.3	1.0	1.3	1.0	1.0	1.0	1.5	1.0	1.7
14 LS09-2659	1.5	1.3	1.0	1.0	1.0	1.5	1.0	1.5	1.0	1.7
15 LS09-2722	1.5	1.0	1.0	1.0	1.0	1.5	1.0	1.5	1.0	1.3

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Height (inches)

Strain	Portage-									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
<b>1 LD06-7620</b>	31	38	28	44	22	39	29	30	19	28
<b>2 IA4005</b>	29	36	24	36	23	34	29	27	19	28
<b>3 LD00- 2817P</b>	35	41	29	46	30	39	36	33	23	35
<b>4 LD07-3395bf</b>	28	35	24	35	22	34	29	26	20	29
<b>5 LD09-12184</b>	35	43	32	45	25	45	36	36	25	36
<b>6 LS07-2935</b>	38	46	36	49	32	48	39	39	25	41
<b>7 LS07-3125</b>	32	44	30	48	29	44	36	35	22	35
<b>8 LS07-3131</b>	35	43	33	48	26	44	35	35	23	35
<b>9 LS08-5837</b>	32	36	32	44	27	40	37	34	25	35
<b>10 LS09-1527</b>	36	39	32	45	28	40	38	32	28	35
<b>11 LS09-1803</b>	37	38	35	45	31	41	39	35	26	38
<b>12 LS09-2342</b>	33	37	32	47	31	39	38	34	28	38
<b>13 LS09-2655</b>	33	41	30	47	26	41	36	34	25	36
<b>14 LS09-2659</b>	32	38	31	47	27	41	37	35	24	36
<b>15 LS09-2722</b>	28	35	28	43	26	35	33	31	24	33

Seed Quality (score)

Strain	Portage-									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
<b>1 LD06-7620</b>	1.0	1.7	2.5	2.0	4.0	1.0	2.0	1.5	4.0	2.0
<b>2 IA4005</b>	1.0	2.3	2.0	2.0	3.0	1.0	2.0	1.5	4.0	1.3
<b>3 LD00- 2817P</b>	1.0	1.9	2.0	2.0	4.0	1.0	2.0	1.7	4.0	2.0
<b>4 LD07-3395bf</b>	1.0	1.5	3.0	2.0	4.0	1.0	2.0	1.7	5.0	2.0
<b>5 LD09-12184</b>	1.0	1.7	1.5	3.0	3.0	1.0	2.0	1.5	3.0	2.0
<b>6 LS07-2935</b>	1.0	2.3	1.5	4.0	2.0	1.0	2.0	1.5	3.0	1.0
<b>7 LS07-3125</b>	1.0	2.5	1.0	3.0	3.0	1.0	1.0	1.7	3.0	1.7
<b>8 LS07-3131</b>	1.0	2.0	1.0	2.0	2.0	1.0	2.0	1.5	4.0	1.7
<b>9 LS08-5837</b>	1.0	2.3	1.5	3.0	3.0	2.0	2.0	1.5	3.0	1.7
<b>10 LS09-1527</b>	1.0	1.8	1.5	3.0	3.0	1.0	2.0	1.7	3.0	1.0
<b>11 LS09-1803</b>	1.0	1.8	1.0	3.0	2.0	1.0	1.0	1.5	3.0	1.7
<b>12 LS09-2342</b>	1.0	1.8	2.0	3.0	3.0	1.0	2.0	1.5	4.0	2.0
<b>13 LS09-2655</b>	1.0	2.0	1.5	3.0	4.0	1.0	2.0	1.5	4.0	3.0
<b>14 LS09-2659</b>	2.0	2.2	2.0	2.0	3.0	1.0	2.0	1.7	5.0	3.0
<b>15 LS09-2722</b>	1.0	2.5	2.0	2.0	3.0	1.0	3.0	2.7	4.0	3.0

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## Seed Weight (g/100)

Strain	Portage-									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
1 LD06-7620	11.3	13.2	12.4	14.1	12.8	14.2	15.8	13.2	18.0	14.8
2 IA4005	12.9	12.8	13.0	13.6	12.4	14.3	15.1	14.3	16.9	14.0
3 LD00- 2817P	11.6	15.4	12.3	13.9	13.9	13.7	10.9	13.2	14.8	14.1
4 LD07-3395bf	14.0	13.8	14.0	15.8	14.9	15.1	15.4	14.7	19.8	16.2
5 LD09-12184	12.6	14.8	12.4	16.8	13.5	16.1	13.6	14.0	17.6	14.4
6 LS07-2935	12.0	15.2	14.3	16.8	16.4	14.8	14.6	16.0	17.7	17.7
7 LS07-3125	11.4	13.7	12.2	14.5	12.2	11.9	12.3	12.7	15.5	13.7
8 LS07-3131	12.4	13.8	14.9	16.0	14.7	14.9	13.0	14.4	19.5	16.8
9 LS08-5837	12.2	14.4	12.5	15.2	12.5	15.5	12.0	12.6	17.1	14.7
10 LS09-1527	15.2	15.7	14.5	16.5	15.0	17.0	14.8	15.8	20.3	18.1
11 LS09-1803	12.0	14.0	12.9	14.0	13.3	14.7	12.6	12.8	14.8	13.2
12 LS09-2342	14.1	15.7	14.6	16.8	15.8	17.2	14.1	14.1	21.1	16.0
13 LS09-2655	15.5	13.4	14.7	17.9	17.4	19.3	15.9	16.7	19.4	18.7
14 LS09-2659	14.9	13.6	15.0	18.2	16.5	19.3	16.6	16.5	20.1	18.2
15 LS09-2722	13.6	13.4	14.3	17.9	13.6	20.0	13.3	15.0	19.0	16.4

## Protein (%)

Strain	Portage-									
	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
SCN HG Type	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
1 LD06-7620	32.6		31.4	34.3	32.7	33.2		32.9		32.7
2 IA4005	33.2		32.8	34.5	30.9	33.4		33.7		33.9
3 LD00- 2817P	32.2		30.9	33.6	30.9	31.8		32.5		33.2
4 LD07-3395bf	33.5		31.1	33.0	30.6	31.7		32.5		32.7
5 LD09-12184	33.4		32.3	35.4	31.9	34.5		33.6		35.4
6 LS07-2935	34.8		32.1	35.0	30.9	33.7		33.5		35.5
7 LS07-3125	34.9		31.0	34.2	30.5	33.9		33.5		33.4
8 LS07-3131	35.6		31.2	34.2	29.4	34.5		34.3		34.1
9 LS08-5837	34.1		31.3	35.3	31.5	34.6		34.6		35.0
10 LS09-1527	34.2		32.0	35.2	31.9	31.9		32.3		33.1
11 LS09-1803	33.4		33.6	34.9	33.3	33.7		33.7		33.0
12 LS09-2342	33.2		31.5	34.8	31.7	33.4		34.6		34.4
13 LS09-2655	33.5		32.6	35.5	34.4	35.4		35.2		35.5
14 LS09-2659	31.6		32.3	35.1	32.3	35.1		35.2		36.8
15 LS09-2722	34.2		33.7	35.8	32.6	35.9		35.3		36.6

## 2013 SCN UNIFORM TEST IV

## Oil (%)

SCN HG Type	Brownstown	Carbondale	Butlerville	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Portage- ville	Jackson
	IL	IL	IN	KS	MO	IL	KS	MO	MO	TN
Strain	2.5.7	I	I	2.5.7	1.2.5.7	NI	NI	NI	NI	NI
<b>1 LD06-7620</b>	19.2		20.5	19.7	19.9	18.6		19.0		20.5
<b>2 IA4005</b>	19.6		19.9	19.8	20.9	18.4		18.0		20.1
<b>3 LD00- 2817P</b>	19.8		20.7	20.5	20.5	19.2		19.0		20.8
<b>4 LD07-3395bf</b>	19.6		21.4	20.8	21.5	20.0		19.8		20.2
<b>5 LD09-12184</b>	20.0		20.0	19.7	21.5	18.3		18.3		19.3
<b>6 LS07-2935</b>	18.2		20.4	20.1	21.2	18.5		17.8		20.8
<b>7 LS07-3125</b>	18.9		20.4	20.4	22.5	18.8		18.8		20.9
<b>8 LS07-3131</b>	18.4		20.0	20.1	22.9	18.3		17.9		20.0
<b>9 LS08-5837</b>	18.4		19.9	19.6	21.2	17.4		17.3		18.9
<b>10 LS09-1527</b>	19.5		19.9	19.8	21.0	19.7		19.0		20.7
<b>11 LS09-1803</b>	18.7		18.6	19.3	19.9	18.5		17.7		19.6
<b>12 LS09-2342</b>	20.8		21.0	20.7	22.1	19.8		18.9		21.4
<b>13 LS09-2655</b>	20.1		20.7	20.1	20.8	17.5		18.0		20.0
<b>14 LS09-2659</b>	19.9		20.8	20.1	21.8	17.8		18.0		19.1
<b>15 LS09-2722</b>	19.0		19.7	20.3	20.8	17.5		18.0		20.4