

2013 SCN PRELIM TEST IV

Strain	FPhm	Parentage	Gen. Comp.	SCN res source	Traits
1 LD06-7620	PGbl	IA3023 x LD00- 3309	F5	PI88788	
2 IA4005	WLtbl	IA3023 x IA3025	F4	None	1% linolenic
3 LD00- 2817P	PGibl	Ina x Dwight	F5	PI88788 / PI437654	
4 K11-1336	PTbl	IA3024 x LD04-13265	F4	PI88788	
5 K11-1666	PTbl	IA3024 x LG04-5190	F4	PI88788	
6 K11-1868	P+WGibl/bf	U98-311422 x LG04-5187	F4	PI88788	
7 K11-2006	PLtbl	K03-3825 x LD04-13265	F4	PI88788	
8 K11-2363	PLtbl	435.TCS x LD05-30578a	F4	PI88788	
9 K11-2371	PLtbl	435.TCS x LD04-12754	F4	PI88788	
10 LD10- 3482	PLtbl	LD04-13296 x LD01-5907	F5	PI88788 / PI437654	
11 LD10- 4612	WTtbl	LD05-7565 x LD04-12754	F5	PI88788	
12 LD10- 8610	PLtbl	LD01-5907 x U03-100612	F5	PI88788 / PI437654	
13 LD10- 9409	PLtbl	LD05-8517 x Syngenta 03JR101916	F5	PI88788	
14 LD10- 9434	PLtbl	LD05-8517 x Syngenta 03JR101916	F5	PI88788	
15 LD10- 9491	PLtbl+ibl	LD05-8517 x Syngenta 03JR101916	F5	PI88788	
16 S10-11227	WGbf	S04-8882 X R00-1194F	F4	PI437654	

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Entry	IL SCN screening			
	HG 0		HG 2.5.7	
	FI	rating	FI	rating
1 LD06-7620	6	HR	52	LR
2 IA4005	63	NR	65	NR
3 LD00- 2817P	0	HR	4	HR
4 K11-1336	5	HR	50	LR
5 K11-1666	3	HR	59	LR
6 K11-1868	6	HR	61	NR
7 K11-2006	9	HR	63	NR
8 K11-2363	6	HR	63	NR
9 K11-2371	2	HR	68	NR
10 LD10- 3482	1	HR	66	NR
11 LD10- 4612	4	HR	66	NR
12 LD10- 8610	1	HR	35	redo
13 LD10- 9409	2	HR	58	LR
14 LD10- 9434	2	HR	63	redo
15 LD10- 9491	3	HR	63	NR
16 S10-11227	37	**	33	MR

**too variable to rate

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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							
1 LD06-7620		53.9	10	63.6	1	926	1.5	33	2.0	13.9	33.2	19.3
2 IA4005		47.6	16	54.2	15	-3	1.2	31	2.0	13.6	33.9	19.2
3 LD00- 2817P		54.5	9	57.1	10	1	1.9	37	2.0	13.0	32.7	19.4
4 K11-1336		50.0	15	55.7	12	-6	2.2	34	2.7	13.0	33.7	19.9
5 K11-1666		51.4	12	59.4	6	-8	1.6	33	2.1	15.9	33.3	19.9
6 K11-1868		55.9	4	60.4	4	-4	1.2	34	2.1	15.9	35.1	18.6
7 K11-2006		55.3	6	51.6	16	1	1.3	33	1.7	14.6	34.2	18.7
8 K11-2363		57.3	1	58.6	7	-1	1.2	30	1.7	15.2	33.2	19.7
9 K11-2371		55.8	5	60.9	3	-3	1.3	34	1.6	13.6	34.5	19.0
10 LD10- 3482		52.9	11	63.1	2	-3	1.1	31	2.1	15.1	33.8	19.8
11 LD10- 4612		54.7	8	55.2	13	-3	1.8	34	1.6	13.9	33.2	19.3
12 LD10- 8610		55.2	7	57.0	11	-7	1.4	31	2.3	14.1	33.6	19.7
13 LD10- 9409		56.8	2	58.5	8	-5	1.5	33	2.0	13.8	33.5	19.7
14 LD10- 9434		56.7	3	60.3	5	-6	1.2	32	1.8	13.0	32.7	20.3
15 LD10- 9491		50.5	13	57.2	9	-7	1.3	32	2.0	13.4	33.0	20.4
16 S10-11227		50.4	14	54.3	14	0	1.6	37	1.8	12.9	33.9	19.5

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Yield (rank)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	5	7	3	15	2	12	4	1
2 IA4005	4	2	16	16	10	8	14	14
3 LD00- 2817P	12	9	11	2	11	9	12	4
4 K11-1336	14	11	15	9	15	10	7	10
5 K11-1666	10	4	10	14	9	3	1	16
6 K11-1868	3	11	14	3	3	1	5	13
7 K11-2006	15	1	8	1	16	7	16	11
8 K11-2363	2	9	6	5	8	14	11	2
9 K11-2371	1	3	6	11	1	13	8	6
10 LD10- 3482	6	16	5	12	5	4	2	3
11 LD10- 4612	11	15	2	7	12	2	13	15
12 LD10- 8610	8	7	4	10	13	6	9	8
13 LD10- 9409	7	6	9	4	7	16	6	7
14 LD10- 9434	9	13	1	8	4	5	3	12
15 LD10- 9491	13	4	13	13	6	15	10	9
16 S10-11227	16	14	12	6	14	11	15	5

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Maturity

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	9/26		9/27	9/23	9/29		9/25	9/25
2 IA4005	0		-5	-3	-2		-1	-4
3 LD00- 2817P	2		1	1	1		1	-2
4 K11-1336	-4		-9	-3	-8		-10	-5
5 K11-1666	-5		-9	-3	-9		-12	-12
6 K11-1868	1		-4	0	-3		-7	-9
7 K11-2006	3		3	0	-1		5	-4
8 K11-2363	1		-1	-2	-1		-1	-5
9 K11-2371	0		0	-4	-2		-5	-8
10 LD10- 3482	1		-4	-1	-7		-3	-4
11 LD10- 4612	-1		1	-3	-3		-2	-12
12 LD10- 8610	-2		-8	-3	-10		-10	-12
13 LD10- 9409	-2		-2	-2	-5		-5	-12
14 LD10- 9434	-2		-2	-4	-4		-11	-12
15 LD10- 9491	-5		-6	-5	-7		-9	-12
16 S10-11227	1		3	-1	-3		3	-2
Planted	6/7	5/20	5/15	5/23	5/15	5/28	5/15	5/20

2013 SCN PRELIM TEST IV

Lodging (score)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	2.0	2.0	1.0	1.0	1.5	1.0	1.5	2.0
2 IA4005	1.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5
3 LD00- 2817P	2.8	2.0	2.0	2.0	1.8	1.0	1.8	2.0
4 K11-1336	1.8	4.0	3.0	1.0	2.3	1.5	1.5	2.5
5 K11-1666	1.5	1.5	2.0	2.0	1.5	1.0	1.5	2.0
6 K11-1868	1.0	1.5	1.0	1.0	1.3	1.0	1.5	1.0
7 K11-2006	1.5	1.0	1.0	2.0	1.0	1.0	1.5	1.0
8 K11-2363	1.5	1.0	1.0	1.0	1.5	1.0	1.5	1.0
9 K11-2371	1.0	1.5	1.0	1.0	1.8	1.0	1.5	1.5
10 LD10- 3482	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.0
11 LD10- 4612	2.0	2.5	1.5	2.0	1.5	1.0	1.5	2.0
12 LD10- 8610	1.5	1.5	1.5	1.0	1.5	1.0	1.5	2.0
13 LD10- 9409	1.5	1.0	1.0	2.0	1.8	1.0	1.5	2.0
14 LD10- 9434	1.0	1.0	1.0	1.0	1.3	1.0	1.5	1.5
15 LD10- 9491	1.5	1.0	1.0	1.0	1.5	1.0	1.5	2.0
16 S10-11227	1.5	2.0	1.0	2.0	1.5	1.0	1.5	2.0

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Height (inches)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	31	35	42	28	39	29	29	33
2 IA4005	29	32	39	27	34	28	27	29
3 LD00- 2817P	35	38	47	34	39	35	34	37
4 K11-1336	32	31	43	28	39	34	32	37
5 K11-1666	32	30	39	31	39	31	29	33
6 K11-1868	32	34	43	31	40	32	31	28
7 K11-2006	29	35	39	31	38	31	28	31
8 K11-2363	27	30	41	26	33	29	26	29
9 K11-2371	32	35	41	29	39	31	30	32
10 LD10- 3482	29	33	37	25	36	31	29	30
11 LD10- 4612	33	33	40	31	37	35	30	33
12 LD10- 8610	30	33	39	28	34	30	28	30
13 LD10- 9409	33	34	39	28	37	31	31	31
14 LD10- 9434	32	34	39	27	38	31	29	30
15 LD10- 9491	31	34	40	26	37	29	30	32
16 S10-11227	33	40	45	35	42	36	28	38

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Seed Quality (score)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	1.0	2.2	2.0	3.0	1.0	3.0	1.2	2.5
2 IA4005	1.0	2.0	2.0	4.0	1.0	3.0	1.3	2.0
3 LD00- 2817P	1.0	1.7	3.0	3.0	1.0	2.0	1.5	3.0
4 K11-1336	3.0	2.0	3.0	4.0	2.0	3.0	1.7	2.5
5 K11-1666	1.0	2.3	3.0	3.0	1.0	3.0	1.5	2.0
6 K11-1868	2.0	2.0	3.0	3.0	1.0	2.0	1.5	2.0
7 K11-2006	1.0	1.3	3.0	3.0	1.0	2.0	1.5	1.0
8 K11-2363	1.0	1.3	3.0	2.0	1.0	2.0	1.5	2.0
9 K11-2371	1.0	1.5	3.0	2.0	1.0	2.0	1.5	1.0
10 LD10- 3482	1.0	2.5	3.0	3.0	2.0	2.0	1.5	2.0
11 LD10- 4612	1.0	1.5	2.0	2.0	1.0	2.0	1.5	1.5
12 LD10- 8610	1.0	2.3	3.0	3.0	2.0	3.0	1.5	2.5
13 LD10- 9409	1.0	2.3	3.0	3.0	1.0	2.0	1.5	2.0
14 LD10- 9434	1.0	2.0	2.0	3.0	1.0	2.0	1.5	2.0
15 LD10- 9491	1.0	1.7	3.0	3.0	1.0	3.0	1.5	2.0
16 S10-11227	1.0	2.0	2.0	3.0	1.0	2.0	1.5	1.5

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Seed Weight (g/100)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	11.3	13.2	14.2	15.7	14.2	14.5	13.0	15.0
2 IA4005	12.9	12.2	13.4	13.0	14.3	15.4	13.1	14.9
3 LD00- 2817P	11.6	14.9	12.3	13.9	13.7	11.4	11.4	15.0
4 K11-1336	12.1	13.5	13.9	15.0	12.0	13.1	11.3	13.3
5 K11-1666	14.7	14.6	17.8	19.2	16.2	15.4	14.2	15.5
6 K11-1868	15.8	12.2	15.8	19.5	17.0	15.6	14.1	17.1
7 K11-2006	13.5	13.3	14.1	19.0	13.7	14.0	13.7	15.9
8 K11-2363	16.0	12.6	15.0	17.3	16.8	13.3	13.8	16.5
9 K11-2371	13.2	12.0	14.3	14.6	14.4	13.8	11.7	14.7
10 LD10- 3482	14.5	15.8	15.8	15.6	15.9	13.8	14.1	15.6
11 LD10- 4612	13.0	14.8	13.8	14.8	13.5	13.4	13.0	14.8
12 LD10- 8610	13.6	14.1	14.1	17.1	14.1	13.1	12.3	14.2
13 LD10- 9409	12.6	13.6	14.9	16.4	14.3	12.2	12.2	14.4
14 LD10- 9434	11.6	12.9	13.2	14.3	13.5	12.8	12.0	14.0
15 LD10- 9491	12.2	13.9	13.7	13.6	13.7	12.6	12.3	15.1
16 S10-11227	10.0	14.1	13.4	15.9	12.0	11.6	12.0	14.6

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Protein (%)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	32.6		34.0	32.5	33.2		32.9	33.8
2 IA4005	33.2		34.7	31.7	33.4		34.6	35.7
3 LD00- 2817P	32.2		33.8	32.3	31.8		33.6	32.4
4 K11-1336	34.6		34.0	32.3	33.3		33.8	34.3
5 K11-1666	33.0		35.4	32.2	32.4		33.4	33.6
6 K11-1868	34.3			37.2	35.1		34.1	34.8
7 K11-2006	34.8		35.1	35.4	33.1		34.0	32.8
8 K11-2363	34.0		34.1	33.1	32.1		33.3	32.6
9 K11-2371	34.3		35.6	33.6	34.5		34.3	34.5
10 LD10- 3482	32.4		34.3	34.0	34.5		33.8	33.7
11 LD10- 4612	33.1		33.9	33.2	33.2		34.0	32.1
12 LD10- 8610			32.9	33.7	34.4		33.2	34.0
13 LD10- 9409			33.9	34.6	32.9		33.2	33.2
14 LD10- 9434	32.7		33.4	31.7	32.5		33.0	33.0
15 LD10- 9491	33.3		33.8	30.9	34.2		32.8	33.1
16 S10-11227	32.2		34.5	35.1	34.5		33.7	33.5

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Oil (%)

	Brownstown	Carbondale	Manhattan	Clarkton	Urbana	Ottawa	Columbia	Jackson
	IL	IL	KS	MO	IL	KS	MO	TN
SCN HG Type	2.5.7	I	2.5.7	1.2.5.7	NI	NI	NI	NI
Strain								
1 LD06-7620	19.2		19.8	20.1	18.6		18.0	20.2
2 IA4005	19.6		19.7	20.9	18.4		17.5	19.0
3 LD00- 2817P	19.8		19.8	20.4	19.2		17.0	20.1
4 K11-1336	19.0		20.8	21.6	19.7		18.5	19.9
5 K11-1666	20.4		20.1	20.8	19.5		17.9	20.6
6 K11-1868	18.8			18.3	18.0		17.8	19.9
7 K11-2006	18.6		19.3	19.0	18.4		16.8	20.0
8 K11-2363	19.2		20.0	20.7	19.6		18.6	20.5
9 K11-2371	18.6		19.5	20.4	18.4		17.2	20.1
10 LD10- 3482	20.5		20.1	20.4	18.6		18.6	20.7
11 LD10- 4612	19.5		19.8	20.5	18.6		17.4	19.8
12 LD10- 8610			20.5	19.7	18.8		18.5	21.0
13 LD10- 9409			20.3	19.8	19.3		18.3	20.7
14 LD10- 9434	20.6		19.9	21.6	19.4		18.8	21.4
15 LD10- 9491	20.4		21.1	22.2	18.8		18.6	21.4
16 S10-11227	20.3		20.0	20.3	18.5		17.7	20.0