

2015 SCN Uniform Test IV

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1 LD06-7620	PLtbl	IA3023 x LD00- 3309	4	F5	PI 88788	
2 LD07-3395bf	WGbf	LD07-3395 RESELECTION	2	F5	PI 88788,437654	
3 LD00-2817P	PGibl	Ina x Dwight	7	F5	PI 88788,437654	
4 AR13-331019	WGbf	Ina x AR3	1	F4	PI 88788,437654	IDC
5 K11-2363	PLtbl	435.TCS x LD05-30578a	1	F4	PI 88788	
6 K13-1385	PTbl	LD00-3309 x 435.TCS	New	F4	PI 88788	STS
7 K13-1515	PLtbl	LG06-5920 x LD04-13265	New	F4	PI 88788	STS
8 K13-1613	W+PG+Tbl/tbl	LS07-3125 x 435.TCS	New	F4	PI 88788	STS
9 K13-1615	PGibl	LS07-3125 x 435.TCS	New	F4	PI 88788	STS
10 K13-1636	WGbf	LS07-3125 x 435.TCS	New	F4	PI 88788	STS
11 K13-1643	PTbl	LS07-3125 x 435.TCS	New	F4	PI 88788	STS
12 K13-1644	WG+Tbl/bf	LS07-3125 x 435.TCS	New	F4	PI 88788	STS
13 LD12-2117	WLTbl	CL04-13234 x LD06-7620	New	F5	PI 88788	
14 LD12-7900	WLTbl	Syngenta 04BR307588 x Dairyland 75213-72	New	F5	PI 88788	
15 LD12-8677	WTbl	LD04-11056W x 432.TCS	New	F5	PI 88788	STS

Entry	IL SCN screening				SIU SDS
	HG 0		HG 2.5.7		Valmeyer
	FI (Lee 74)	rating	FI (Lee 74)	rating	DX
1 LD06-7620	14	R	23	R	12
2 LD07-3395bf	1	HR	1	HR	6
3 LD00-2817P	1	HR	1	HR	3
4 AR13-331019	1	HR	2	HR	6
5 K11-2363	11	R	27	MR	14
6 K13-1385	5	HR	36	MR	6
7 K13-1515	3	HR	12	R	25
8 K13-1613	3	HR	33	MR	28
9 K13-1615	20	R	40	LR	6
10 K13-1636	13	R	26	MR	39
11 K13-1643	14	R	25	MR	25
12 K13-1644	14	R	56	LR	31
13 LD12-2117	4	HR	16	R	22
14 LD12-7900	17	R	21	R	17
15 LD12-8677	4	HR	27	MR	9

0 Ripley (res)
56 Spencer(sus)
16 LSD

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Summary

Entry	Yield								Maturity date	Lodging score	Height in.	Seed			
	All		Infested		Non-infested		quality score	weight g/100				protein @13%	oil @13%		
	bu/a	rank	bu/a	rank	bu/a	rank									
Locations	9		5		4		8	9	9	8	8	5	5		
1 LD06-7620	55.7	6	55.5	3	56.4	12	9/23	1.5	29	2.5	13.9	34.1	19.4		
2 LD07-3395bf	53.8	13	52.3	9	56.0	13	0	1.6	29	2.5	14.6	33.0	20.4		
3 LD00-2817P	56.2	5	54.3	6	59.0	6	3	2.0	34	2.5	12.8	33.6	20.0		
4 AR13-331019	49.8	15	48.2	15	52.2	15	-2	2.9	38	2.5	12.4	35.0	19.7		
5 K11-2363	56.2	4	52.3	9	61.6	2	3	1.7	28	2.2	15.5	33.6	19.7		
6 K13-1385	55.1	8	53.6	7	57.3	10	2	2.3	31	2.3	13.2	34.5	19.7		
7 K13-1515	57.4	3	55.7	2	59.8	5	6	2.5	35	2.4	13.8	33.4	19.8		
8 K13-1613	54.5	11	49.7	13	60.9	3	5	2.0	35	2.5	13.4	34.7	19.2		
9 K13-1615	58.1	2	54.4	5	63.3	1	3	1.6	33	2.2	13.5	34.6	20.0		
10 K13-1636	54.1	12	50.7	12	58.8	7	4	1.9	32	2.2	14.4	35.1	19.5		
11 K13-1643	52.8	14	49.5	14	57.2	11	5	1.8	32	2.1	14.4	35.2	18.8		
12 K13-1644	55.1	8	53.3	9	57.5	9	4	1.7	34	2.3	13.5	35.5	19.3		
13 LD12-2117	55.0	10	54.7	4	55.7	14	-1	1.5	30	2.5	14.7	34.6	18.8		
14 LD12-7900	55.4	7	53.6	8	58.2	8	-2	1.8	34	2.3	13.7	34.5	19.6		
15 LD12-8677	59.3	1	58.4	1	60.9	3	0	1.9	33	2.5	15.4	35.4	20.4		
Mean	55.2		53.1		58.3		25.1	1.9	32.5	2.4	13.9	34.4	19.6		
LSD(.05)	3.4		5.2		4.1		1.7	0.2	1.4						
C.V. %	11.6		13.5		8.7		12.0	20.3	7.8						
Replications	25		13		12		22	25	25						

2 year summary

Entry	Yield								Maturity date	Lodging score	Height in.	Seed			
	All		Infested		Non-infested		quality score	weight g/100				protein @13%	oil @13%		
	bu/a	rank	bu/a	rank	bu/a	rank									
Locations	19		14		5		15	16	16	15	15	11	11		
1 LD06-7620	54.4	4	54.2	4	55.0	4	9/25	1.6	29	2.5	14.4	34.4	18.7		
2 LD07-3395bf	55.4	2	54.5	2	58.1	2	-1	1.7	28	2.5	15.8	33.1	19.9		
3 LD00-2817P	54.7	3	54.3	3	55.8	3	3	2.0	34	2.5	13.4	33.6	19.4		
4 AR13-331019	50.8	5	50.4	5	52.0	5	-2	3.0	38	2.7	12.8	34.5	18.9		
5 K11-2363	56.6	1	55.7	1	59.2	1	2	1.4	27	2.3	16.1	33.9	18.6		

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Yield (bu/a)

SCN HG Type	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI	NI
Strain									
1 LD06-7620	60.9	70.5	71.0	47.2	25.8	75.1	40.8	54.8	55.1
2 LD07-3395bf	54.6	60.3	62.8	48.7	33.0	68.4	47.7	53.4	54.5
3 LD00-2817P	57.5	73.5	60.8	40.9	36.4	74.3	46.2	55.2	60.5
4 AR13-331019	44.1	68.8	61.7	35.1	29.0	62.0	44.7	49.5	52.6
5 K11-2363	62.9	59.2	68.6	45.0	23.5	76.1	49.2	56.8	64.3
6 K13-1385	54.7	69.7	74.7	40.3	26.5	71.2	47.3	59.0	51.7
7 K13-1515	49.2	81.8	76.7	37.3	31.5	66.1	51.0	66.9	55.4
8 K13-1613	59.2	62.0	71.6	36.7	16.6	72.8	46.3	66.2	58.3
9 K13-1615	56.2	64.8	74.6	39.3	34.7	72.4	47.2	68.2	65.2
10 K13-1636	55.4	60.9	69.5	39.2	26.5	70.9	45.6	64.6	54.1
11 K13-1643	59.4	55.4	69.6	39.3	21.8	68.0	47.6	59.1	54.3
12 K13-1644	59.0	57.4	71.6	38.2	38.5	71.5	47.0	59.5	52.2
13 LD12-2117	61.6	50.5	78.7	43.5	37.0	76.3	44.2	55.8	46.6
14 LD12-7900	53.3	57.3	77.6	45.9	31.5	70.5	43.9	60.9	57.7
15 LD12-8677	63.8	71.8	79.5	43.8	31.0	72.6	47.9	66.4	56.7
Average	56.8	64.2	71.2	41.2	29.6	71.2	46.3	59.8	55.9
LSD(2-sided,.05)	12.3	13.9	10.6	7.2	10.8	7.2	3.8	8.9	11.4
C.V. %	10.1	12.9	6.9	10.4	21.9	6.1	4.9	8.9	12.1
Replications	2	3	2	3	3	3	3	3	3
Row spacing (in.)	30	30	30	30	30	30	30	30	30

Yield (rank)

SCN HG Type	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI	NI
Strain									
1 LD06-7620	4	4	9	2	11	3	15	13	8
2 LD07-3395bf	12	10	13	1	5	12	4	14	9
3 LD00-2817P	8	2	15	7	3	4	10	12	3
4 AR13-331019	15	6	14	15	8	15	12	15	12
5 K11-2363	2	11	12	4	12	2	2	10	2
6 K13-1385	11	5	5	8	9	9	6	9	14
7 K13-1515	14	1	4	13	6	14	1	2	7
8 K13-1613	6	8	7	14	14	5	9	4	4
9 K13-1615	9	7	6	9	4	7	7	1	1
10 K13-1636	10	9	11	11	10	10	11	5	11
11 K13-1643	5	14	10	9	13	13	5	8	10
12 K13-1644	7	12	8	12	1	8	8	7	13
13 LD12-2117	3	15	2	6	2	1	13	11	15
14 LD12-7900	13	13	3	3	6	11	14	6	5
15 LD12-8677	1	3	1	5	7	6	3	3	6

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Maturity

SCN HG Type	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI	NI
Strain									
1 LD06-7620	9/16		9/28	9/22	9/11	9/21	10/04	9/27	9/24
2 LD07-3395bf	-2		-2	1	3	0	0	-2	2
3 LD00-2817P	2		2	1	9	0	6	2	3
4 AR13-331019	-4		-1	-4	3	-1	-1	-3	-2
5 K11-2363	6		2	5	6	0	4	1	1
6 K13-1385	4		2	5	6	0	1	0	1
7 K13-1515	8		3	7	11	2	7	5	2
8 K13-1613	7		3	5	7	1	7	6	1
9 K13-1615	3		1	3	6	-1	4	5	3
10 K13-1636	4		2	3	9	1	5	6	6
11 K13-1643	6		3	6	10	2	7	4	3
12 K13-1644	4		3	5	11	1	6	5	1
13 LD12-2117	-4		-2	-3	4	-2	1	-2	-2
14 LD12-7900	-2		-2	-1	1	-1	-2	-4	-2
15 LD12-8677	-3		-4	0	4	-1	2	-1	-1
Planted	5/06	5/24	5/08	6/02	5/21	5/06	6/18	6/04	6/12

Lodging (score)

SCN HG Type	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI	NI
Strain									
1 LD06-7620	1.0	1.0	1.0	1.3	1.0	2.3	1.0	2.0	2.7
2 LD07-3395bf	1.5	1.0	1.0	1.3	1.0	2.2	1.0	2.0	3.7
3 LD00-2817P	1.8	1.0	1.0	3.0	1.0	3.5	1.0	2.3	3.3
4 AR13-331019	4.0	2.0	2.3	4.0	1.7	3.8	1.0	3.0	4.0
5 K11-2363	1.5	2.0	1.0	1.3	1.0	2.2	1.0	2.0	3.0
6 K13-1385	1.8	4.0	1.5	3.0	1.0	2.7	1.0	2.3	3.7
7 K13-1515	2.8	1.0	2.5	2.7	1.3	4.2	1.0	3.0	4.0
8 K13-1613	1.5	3.0	1.5	1.3	1.0	2.5	1.0	2.3	3.3
9 K13-1615	1.5	1.0	1.3	1.7	1.0	2.2	1.0	2.0	3.0
10 K13-1636	1.5	2.0	1.3	1.7	1.0	2.8	1.0	2.0	3.7
11 K13-1643	1.8	2.0	1.3	1.3	1.0	2.7	1.0	2.0	3.0
12 K13-1644	1.8	1.0	1.5	1.3	1.0	3.0	1.0	2.0	2.7
13 LD12-2117	1.0	3.0	1.0	1.3	1.0	1.5	1.0	2.0	2.0
14 LD12-7900	1.5	2.0	1.5	1.3	1.0	2.0	1.0	2.3	3.0
15 LD12-8677	1.3	1.0	2.0	2.0	1.0	2.2	1.0	2.7	4.0

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Height (inches)

Strain	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI
1 LD06-7620	27	30	31	37	26	29	24	28	30
2 LD07-3395bf	27	31	29	36	27	27	25	27	33
3 LD00-2817P	33	32	31	44	33	37	31	33	36
4 AR13-331019	38	31	39	49	37	37	35	36	45
5 K11-2363	27	30	29	34	23	29	25	26	30
6 K13-1385	30	34	32	38	26	32	28	30	33
7 K13-1515	31	35	36	44	32	35	32	33	38
8 K13-1613	34	33	41	39	29	35	30	32	38
9 K13-1615	30	32	36	40	30	33	31	29	36
10 K13-1636	29	33	35	38	28	32	30	28	32
11 K13-1643	31	34	35	39	28	32	28	29	36
12 K13-1644	35	37	36	37	31	35	28	31	34
13 LD12-2117	30	32	33	39	28	30	27	29	27
14 LD12-7900	29	35	36	43	29	32	31	33	37
15 LD12-8677	33	36	36	39	30	34	28	33	31

Seed Quality (score)

Strain	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI
1 LD06-7620	2.0		2.0	3.0	3.0	2.3	2.0	3.0	2.3
2 LD07-3395bf	1.0		2.0	3.0	2.7	3.0	3.0	3.0	2.0
3 LD00-2817P	1.0		2.0	3.0	3.0	3.0	2.0	3.0	2.7
4 AR13-331019	2.0		2.0	3.0	3.0	3.0	2.0	3.0	2.3
5 K11-2363	1.0		2.0	3.0	3.0	2.7	1.0	3.0	2.0
6 K13-1385	1.0		2.0	3.0	3.0	2.7	2.0	3.0	1.7
7 K13-1515	2.0		2.0	3.0	2.7	2.7	2.0	3.0	2.0
8 K13-1613	2.0		2.0	3.0	3.0	2.7	3.0	3.0	1.3
9 K13-1615	1.0		2.0	3.0	2.3	3.0	2.0	3.0	1.3
10 K13-1636	1.0		2.0	3.0	2.7	2.0	2.0	2.7	2.0
11 K13-1643	1.0		2.0	2.0	3.0	2.7	2.0	2.7	1.3
12 K13-1644	2.0		2.0	2.0	3.0	2.7	2.0	3.0	1.5
13 LD12-2117	2.0		1.0	3.0	3.0	3.0	3.0	3.0	2.0
14 LD12-7900	1.0		2.0	3.0	3.0	2.7	2.0	3.0	2.0
15 LD12-8677	1.0		2.0	3.0	3.0	2.7	3.0	3.0	2.0

Seed Weight (g/100)

Strain	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI
1 LD06-7620	13.3		14.8	11.1	11.6	13.9	16.3	15.8	14.0
2 LD07-3395bf	14.1		16.1	11.2	12.0	15.3	15.7	15.4	17.1
3 LD00-2817P	12.1		14.6	10.1	11.5	12.8	14.2	13.1	14.4
4 AR13-331019	11.7		13.8	11.1	10.6	12.5	14.2	12.4	12.5
5 K11-2363	14.1		17.9	13.5	14.4	14.9	16.5	16.3	16.0
6 K13-1385	12.7		14.6	11.5	11.8	12.8	14.3	13.6	14.3
7 K13-1515	12.5		16.1	12.0	13.0	13.1	14.2	15.4	14.3
8 K13-1613	13.2		14.8	11.8	11.6	12.4	15.0	15.2	13.4
9 K13-1615	12.1		15.3	10.5	12.2	12.6	13.8	16.1	15.0
10 K13-1636	13.4		16.6	10.7	12.7	13.7	16.1	16.9	15.2
11 K13-1643	13.2		16.9	12.9	12.8	13.6	16.2	15.2	14.6
12 K13-1644	13.3		15.3	11.4	12.9	13.0	14.5	14.5	13.0
13 LD12-2117	13.8		16.5	11.7	12.8	15.6	16.0	16.2	15.0
14 LD12-7900	13.0		14.6	10.6	12.6	13.6	15.4	15.2	14.7
15 LD12-8677	15.0		17.4	11.8	13.3	15.6	17.1	16.9	16.0

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Protein (%)

SCN HG Type	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
Strain	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI	NI
1 LD06-7620	34.7		33.8	34.2		34.2			33.7
2 LD07-3395bf	32.5		32.6	33.7		33.6			32.6
3 LD00-2817P	33.2		33.4	34.1		33.3			34.0
4 AR13-331019	36.2		33.5	34.5		35.6			35.0
5 K11-2363	33.8		34.2	33.3		32.4			34.2
6 K13-1385	34.5		34.0	34.6		34.5			34.9
7 K13-1515	34.0		31.9	34.0		33.3			33.8
8 K13-1613	35.4		33.8	35.0		34.6			34.5
9 K13-1615	34.6		33.5	35.2		34.2			35.4
10 K13-1636	35.8		34.4	35.9		34.9			34.3
11 K13-1643	35.7		35.4	33.5		35.5			35.7
12 K13-1644	36.9		35.3	34.9		36.1			34.5
13 LD12-2117	35.0		33.9	35.7		34.3			34.0
14 LD12-7900	34.2		32.9	36.4		34.2			35.0
15 LD12-8677	36.3		34.9	35.6		35.0			35.3

Oil (%)

SCN HG Type	Brownstown	Carbondale	Urbana	Manhattan	Clarkton	Columbia	Ottawa	Portageville	Jackson
	IL	IL	IL	KS	MO	MO	KS	MO	TN
Strain	2.5.7	Inf	2.5.7	Inf	Inf	NI	NI	NI	NI
1 LD06-7620	19.6		19.1	18.9		19.9			19.4
2 LD07-3395bf	20.5		20.3	19.8		20.3			21.1
3 LD00-2817P	20.5		19.3	18.7		20.3			21.0
4 AR13-331019	19.8		20.0	19.1		19.2			20.6
5 K11-2363	20.1		18.7	19.6		20.4			19.8
6 K13-1385	20.3		19.5	19.2		19.8			19.6
7 K13-1515	19.6		19.6	19.7		19.8			20.5
8 K13-1613	19.4		19.3	18.4		18.9			19.9
9 K13-1615	20.1		19.7	19.2		20.1			20.7
10 K13-1636	20.0		19.3	18.0		19.3			20.7
11 K13-1643	18.4		17.9	19.6		18.6			19.3
12 K13-1644	19.2		19.2	19.1		19.1			20.0
13 LD12-2117	19.5		18.6	17.7		19.1			19.0
14 LD12-7900	20.7		19.4	18.1		19.9			19.9
15 LD12-8677	20.6		20.2	19.5		20.6			21.1