

2018 SCN UNIFORM TEST III

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Traits
1 LD11-2170	PLtbr	Syngenta 03JR313108 x LD05-3171	2	F5 PI 88788	
2 IA3048	WGy	Dairyland 99540 x IA2068	7	F4 PI 88788	
3 LD07-3395bf	WGbf	Syngenta WW115926 x LD00-2817	2	F5 PI 88788,437654	
4 U11-920017	PLtbr	HS5-3417 x LD02-4485	1	F6 None	Rps
5 LD14-3698	PLtbl	LD07-4477 x LG06-5798	17 PT IV	F5 PI 88788	
6 SA13-1310	PTbl	K07-1633 x LD04-13265	17 UT III	F4 PI 88788	
7 SA13-1363	PTbl	K07-1633 x LD04-13265	17 UT III	F4 PI 88788	
8 SA13-1385	WLtbl	K07-1633 x LD04-13265	17 UT III	F4 PI 88788	
9 SA13-2699	PGibl	LS07-3125 x LD04-13265	17 UT III	F4 PI 88788	
10 SA14-9653	PTbl	LD07-4477 x LD02-9050	17 PT IIIB	F4 PI 88788	
11 U13-231286	PLtbl	LD04-13265 x UX2759-1 (F1)	17 UT III	F5 PI 88788	Rps, Dt
12 U14-211209	PLtbl+ibl+br	U09-407147 x LD02-4485	17 PT IIIB	F5 PI 88788	Rps1k, Rps
13 U14-211226	PGibl	U09-407147 x LD02-4485	17 PT IIIB	F5 PI 88788	Rps1k, Rps
14 U14-212231	PLtbl	U09-407147 x LD02-4485	17 PT IIIB	F5 PI 88788	Rps1k, Rps
15 U14-605217	WGbf	U09-215057 x LD07-3419	17 UT III	F5 PI 88788,437654	Rps, Dt
16 U14-924158	PLtbl	U11-935093 x LD07-3419	17 UT III	F5 PI 88788,437654	IDC
17 U15-606207	PGbf	LD07-3419 x U09-105007	17 PT IIIB	F5 PI 88788,437654	Rps
18 U15-613163	PGibl	LD07-3419 x U11-919011	17 PT IIIB	F5 PI 88788,437654	Rps

Entry	IL SCN screening										ISU IDC	ISU IDC
	cyst counts			HG 0		cyst counts			HG 2,5,7		AnNutri	Bruner
	rep1	rep2	rep3	FI	rating	rep1	rep2	rep3	FI	rating	score	score
1 LD11-2170	36	19	36	10	R	73	69	75	36	MR	2.5	1.5
2 IA3048	12	21	25	6	HR	124	113	110	57	LR	2.0	1.8
3 LD07-3395bf	5	4	6	2	HR	1	3	2	1	HR	3.0	2.3
4 U11-920017	180	154	171	56	LR	180	137	122	72	NR	1.8	1.3
5 LD14-3698	18	10	38	7	HR	163	125	117	67	NR	3.3	2.0
6 SA13-1310	29	10	24	7	HR	118	104	135	59	LR	4.0	4.3
7 SA13-1363	6	10	4	2	HR	112	.	87	49	LR	4.0	3.0
8 SA13-1385	11	24	9	5	HR	133	101	96	54	LR	3.0	1.5
9 SA13-2699	40	32	50	14	R	69	118	111	49	LR	3.0	2.3
10 SA14-9653	32	53	22	12	R	132	127	121	62	NR	3.5	.
11 U13-231286	204	197	141	60	NR	113	125	131	61	NR	3.3	1.8
12 U14-211209	66	85	76	25	R	191	167	185	64	NR	2.0	3.0
13 U14-211226	34	30	25	10	R	129	102	113	56	LR	.	3.0
14 U14-212231	155	235	222	68	NR	70	139	144	58	LR	3.3	1.3
15 U14-605217	204	102	152	51	LR	66	121	127	52	LR	.	2.0
16 U14-924158	3	1	2	1	HR	25	33	22	13	R	3.3	2.0
17 U15-606207	1	2	3	1	HR	3	1	2	1	HR	2.5	1.3
18 U15-613163	76	114	80	30	MR	92	82	116	48	LR	2.5	2.5

Mean: 2.9 2.1
LSD value: 1.0 1.3
CV (%): 15.4 29.6

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Yield (rank)

SCN HG Type	Yield (rank)									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	West	
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	8	4	3	12	9	2	4	6	4	5
2 IA3048	12	13	12	15	10	10	18	3	8	13
3 LD07-3395bf	3	7	2	13	14	11	14	14	14	15
4 U11-920017	16	17	17	7	13	15	8	11	1	6
5 LD14-3698	11	1	6	10	5	1	5	4	3	3
6 SA13-1310	4	2	11	6	8	4	13	8	12	11
7 SA13-1363	7	9	13	16	1	8	16	1	17	16
8 SA13-1385	5	14	10	14	2	3	9	10	7	8
9 SA13-2699	9	12	7	5	12	5	3	9	11	12
10 SA14-9653	10	6	15	18	6	12	17	7	15	4
11 U13-231286	14	15	16	11	17	13	2	13	16	7
12 U14-211209	13	10	8	1	7	9	6	16	10	9
13 U14-211226	5	5	5	4	4	6	12	12	2	9
14 U14-212231	18	16	18	9	16	17	7	18	5	10
15 U14-605217	15	11	9	3	15	18	10	2	13	1
16 U14-924158	1	8	4	8	3	14	11	15	9	10
17 U15-606207	2	3	1	2	11	7	1	5	6	2
18 U15-613163	17	18	14	17	18	16	15	17	18	14

Maturity

SCN HG Type	Maturity									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	West	
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	9/14		9/07	9/13	9/21	9/13	9/23		9/18	9/28
2 IA3048	1		6	0	-1	0	-1		2	1
3 LD07-3395bf	9		9	4	10	6	2		5	9
4 U11-920017	-13		-7	-11	-6	-10	-2		-2	-4
5 LD14-3698	10		8	8	11	9	12		-1	7
6 SA13-1310	12		13	7	8	10	14		8	9
7 SA13-1363	7		13	6	8	10	15		8	7
8 SA13-1385	13		12	9	11	10	9		0	7
9 SA13-2699	13		13	10	14	10	12		10	10
10 SA14-9653	10		9	9	5	6	12		7	6
11 U13-231286	5		10	6	16	8	6		5	7
12 U14-211209	-1		4	2	-3	1	0		3	3
13 U14-211226	2		5	2	-2	2	2		4	3
14 U14-212231	-4		0	-1	0	-4	0		3	0
15 U14-605217	-1		2	1	5	1	5		2	6
16 U14-924158	1		0	-5	-4	-2	-3		2	0
17 U15-606207	3		2	-1	7	4	1		-1	5
18 U15-613163	-5		-3	-6	2	-6	-1		-6	0
Planted	5/07	5/08	5/07	5/08	5/18	5/16	5/22	5/09	5/10	5/30

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Lodging (score)

SCN HG Type	West									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	Lafayette	Hoytville
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	1.0	2.0	1.3	1.0	2.0	2.3	2.8	2.5	1.0	1.0
2 IA3048	2.0	2.5	2.5	1.0	2.0	2.7	4.0	2.0	1.0	1.0
3 LD07-3395bf	1.0	1.5	2.0	1.5	2.0	2.0	3.7	2.5	1.5	1.0
4 U11-920017	1.5	2.0	1.5	1.0	1.7	1.5	3.3	2.5	1.0	1.0
5 LD14-3698	1.5	1.5	1.8	1.5	1.7	1.7	3.3	2.0	1.0	1.0
6 SA13-1310	1.0	1.5	2.0	1.0	1.7	2.7	3.8	3.0	1.0	1.0
7 SA13-1363	1.5	2.0	2.5	1.0	2.0	1.7	4.0	2.5	1.0	1.0
8 SA13-1385	1.5	2.0	2.0	1.0	1.7	1.8	3.2	1.5	1.0	1.0
9 SA13-2699	1.0	1.5	1.8	1.0	1.7	1.8	3.3	1.5	1.0	1.0
10 SA14-9653	2.0	2.0	2.5	1.5	2.0	2.5	3.5	4.0	1.3	1.0
11 U13-231286	1.0	1.0	1.3	1.0	1.3	1.3	2.3	1.0	1.0	1.0
12 U14-211209	2.0	2.0	2.8	2.0	2.3	2.0	3.8	4.0	1.0	1.0
13 U14-211226	1.5	1.5	2.8	1.5	1.7	2.3	3.5	2.0	1.0	1.0
14 U14-212231	1.0	2.0	2.3	1.0	2.0	1.8	2.7	1.5	1.0	1.0
15 U14-605217	1.0	2.0	1.5	1.0	2.0	1.8	3.5	1.0	1.0	1.0
16 U14-924158	1.0	1.5	1.5	1.0	1.7	1.3	2.8	3.0	1.0	1.0
17 U15-606207	1.0	1.5	1.5	1.0	1.7	2.0	2.7	3.0	1.5	1.0
18 U15-613163	1.0	2.5	2.5	1.0	2.0	2.0	3.8	3.5	1.0	1.0

Height (inches)

SCN HG Type	West									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	Lafayette	Hoytville
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	26	33	43	34	34	30	43	32	35	30
2 IA3048	35	36	45	37	32	31	48	33	41	31
3 LD07-3395bf	32	35	43	35	32	28	37	33	36	29
4 U11-920017	28	32	37	35	34	32	43	28	31	28
5 LD14-3698	33	34	48	39	36	32	48	32	34	31
6 SA13-1310	33	37	47	38	31	32	45	32	37	31
7 SA13-1363	30	33	44	36	35	29	45	28	35	30
8 SA13-1385	34	37	49	40	41	33	47	34	37	32
9 SA13-2699	36	39	50	38	37	32	47	34	41	33
10 SA14-9653	36	40	48	40	38	35	46	37	39	32
11 U13-231286	30	33	43	35	33	27	42	19	37	29
12 U14-211209	35	37	46	41	41	35	49	27	39	33
13 U14-211226	34	39	43	39	42	37	52	35	41	33
14 U14-212231	31	35	48	39	40	36	52	32	37	33
15 U14-605217	30	34	43	38	33	28	43	24	37	33
16 U14-924158	32	35	44	34	34	28	45	29	35	29
17 U15-606207	32	35	42	33	35	30	41	30	35	30
18 U15-613163	31	33	39	35	34	28	42	35	37	29

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Seed Quality (score)

SCN HG Type	Seed Quality (score)									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	West	
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	2.0	2.0	2.0	2.0		2.5	2.0	2.0		1.0
2 IA3048	2.0	1.0	1.0	1.0		1.5	2.0	2.0		2.0
3 LD07-3395bf	1.0	1.0	2.0	2.0		3.0	3.0	2.0		2.0
4 U11-920017	3.0	1.0	2.0	2.0		2.0	2.0	2.0		1.0
5 LD14-3698	1.0	1.0	2.0	1.0		2.5	2.5	2.0		1.0
6 SA13-1310	1.0	2.0	2.0	1.0		2.0	2.0	2.0		1.0
7 SA13-1363	1.0	1.0	3.0	1.0		1.5	2.5	1.5		1.0
8 SA13-1385	1.0	1.0	2.0	2.0		2.0	2.5	1.0		1.0
9 SA13-2699	1.0	1.0	2.0	2.0		2.5	2.0	2.0		1.0
10 SA14-9653	1.0	1.0	1.0	1.0		1.5	2.0	2.0		1.0
11 U13-231286	1.0	1.0	2.0	2.0		2.0	1.5	2.0		2.0
12 U14-211209	1.0	1.0	2.0	2.0		3.5	3.5	1.5		2.0
13 U14-211226	2.0	1.0	2.0	2.0		3.0	3.0	2.0		2.0
14 U14-212231	2.0	1.0	2.0	1.0		2.0	2.0	1.5		1.0
15 U14-605217	2.0	1.0	2.0	2.0		2.5	2.0	2.0		2.0
16 U14-924158	2.0	1.0	1.0	1.0		3.0	2.5	1.5		1.0
17 U15-606207	2.0	1.0	2.0	2.0		3.0	2.0	1.5		1.0
18 U15-613163	4.0	2.0	3.0	2.0		3.0	2.5	2.0		2.0

Seed Weight (g/100)

SCN HG Type	Seed Weight (g/100)									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	West	
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	14.2	13.8	16.2	14.5		15.7	14.3	11.2		14.7
2 IA3048	13.9	12.2	16.4	13.6		14.3	14.1	11.2		14.0
3 LD07-3395bf	14.7	13.1	16.7	14.6		13.4	15.0	11.9		13.1
4 U11-920017	12.9	13.4	17.9	15.8		16.1	14.0	13.8		15.9
5 LD14-3698	16.8	14.7	17.1	16.3		17.0	17.3	11.6		15.5
6 SA13-1310	13.9	13.0	16.4	15.0		15.4	15.1	12.1		13.9
7 SA13-1363	12.8	11.4	15.4	12.1		13.2	13.8	10.2		12.4
8 SA13-1385	13.5	11.3	15.0	13.1		13.8	14.5	10.2		12.9
9 SA13-2699	13.7	12.3	15.9	14.3		15.8	16.0	10.5		13.2
10 SA14-9653	15.6	13.8	18.1	15.5		16.9	16.4	10.7		15.7
11 U13-231286	12.5	11.9	14.3	13.2		14.7	14.2	10.0		13.5
12 U14-211209	11.9	11.8	15.9	13.5		13.5	13.5	10.8		14.0
13 U14-211226	14.1	13.1	17.4	15.2		14.9	15.3	11.7		14.6
14 U14-212231	11.7	11.1	15.0	13.6		14.3	12.8	11.0		13.8
15 U14-605217	13.6	13.7	17.7	16.3		16.7	13.7	11.4		15.8
16 U14-924158	13.0	11.7	15.9	13.1		12.5	13.0	10.3		13.4
17 U15-606207	13.9	12.8	18.1	15.4		15.7	16.3	11.2		15.1
18 U15-613163	11.6	11.6	15.4	12.6		14.0	12.5	10.1		14.0

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Protein (%)

SCN HG Type	West									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	Lafayette	Hoytville
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	34.3	33.1	33.7	34.3			34.5	35.4	33.4	36.2
2 IA3048	34.5	31.5	34.0	33.8			36.1	35.7	35.2	35.4
3 LD07-3395bf	32.7	31.0	31.7	31.5			34.1	33.7	31.7	33.4
4 U11-920017	32.2	29.8	30.7	30.2			32.6	33.2	30.3	32.4
5 LD14-3698	36.2	33.9	34.7	33.7			34.6	35.3	35.0	35.6
6 SA13-1310	33.4	33.7	33.3	33.0			34.6	33.2	33.6	34.8
7 SA13-1363	32.9	31.1	33.7	31.8			33.9	33.1	33.5	32.9
8 SA13-1385	33.7	31.0	32.1	31.7			32.9	33.4	32.6	33.3
9 SA13-2699	35.3	32.6	33.6	33.2			35.7	34.8	34.4	35.9
10 SA14-9653	37.0	34.6	35.0	35.5			34.8	35.6	35.4	36.9
11 U13-231286	32.1	30.7	33.0	30.9			34.8	34.6	33.7	34.4
12 U14-211209	31.6	30.9	31.7	30.1			33.1	35.0	33.3	33.4
13 U14-211226	33.4	31.5	32.3	31.6			34.0	34.7	33.1	34.0
14 U14-212231	31.0	30.8	30.0	30.2			30.5	33.9	31.2	31.6
15 U14-605217	31.8	31.2	31.9	31.9			33.9	33.6	32.4	33.0
16 U14-924158	30.5	28.8	30.1	30.3			33.5	33.8	31.8	32.3
17 U15-606207	32.7	30.7	31.6	32.4			33.5	33.9	33.4	33.3
18 U15-613163	33.5	30.8	31.9	31.1			34.8	34.6	31.5	33.6

Oil (%)

SCN HG Type	West									
	Muscatine	Oskaloosa	Arthur	Urbana	Manhattan	Novelty	Rock Port	Bellwood	Lafayette	Hoytville
	IA	IA	IL	IL	KS	MO	MO	NE	IN	OH
	2.5.7	2.5.7	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	NI	NI
1 LD11-2170	21.0	20.6	18.6	18.1			19.6	16.9	18.8	17.3
2 IA3048	19.9	19.7	17.1	17.4			18.4	16.5	17.3	16.7
3 LD07-3395bf	19.9	19.6	18.3	18.0			19.0	17.4	18.6	17.3
4 U11-920017	21.4	21.0	19.2	19.1			19.8	18.9	19.5	17.7
5 LD14-3698	18.7	18.6	17.6	17.2			18.5	16.3	17.5	16.5
6 SA13-1310	20.1	19.3	17.8	18.4			18.5	17.5	17.9	17.1
7 SA13-1363	19.8	19.6	17.5	18.4			18.1	16.9	17.9	17.6
8 SA13-1385	18.4	19.0	17.1	17.6			18.5	16.0	17.6	17.1
9 SA13-2699	18.5	18.4	16.7	16.9			17.3	16.0	16.5	15.9
10 SA14-9653	18.1	18.3	16.7	16.6			18.2	16.0	17.0	16.0
11 U13-231286	20.6	20.2	18.5	18.8			18.6	17.0	17.6	16.8
12 U14-211209	20.6	19.5	17.6	18.0			18.6	16.9	17.7	17.1
13 U14-211226	19.4	19.6	17.7	17.9			18.5	16.5	17.7	16.5
14 U14-212231	21.4	20.2	19.0	18.7			19.8	17.1	18.7	18.0
15 U14-605217	20.2	19.8	18.5	18.3			18.8	17.8	18.1	17.6
16 U14-924158	20.8	21.1	19.0	18.1			19.3	17.3	18.3	18.1
17 U15-606207	20.1	19.9	18.1	17.9			18.7	17.2	17.3	16.9
18 U15-613163	19.9	20.2	17.5	17.6			18.2	16.8	17.5	16.9