

2018 SCN PRELIMINARY TEST III

Strain	FPhlm	Parentage	Gen. Comp.	SCN res source	Traits
1 LD11-2170	PLtbr	Syngenta 03JR313108 x LD05-3171	F5	PI 88788	
2 IA3048	WGy	Dairyland 99540 x IA2068	F4	PI 88788	
3 LD07-3395bf	WGbf	Syngenta WW115926 x LD00-2817	F5	PI 88788,437654	
4 U11-920017	PLtbr	HS5-3417 x LD02-4485	F6	None	Rps
5 AR16-361032	PTbl	AR10-205047 x Var 75881	F3	PI 88788	
6 AR17-179007	PMbl+ibl	AR11-214022 x AR09-191018	F4	Peking	SDS
7 AR17-179009	WT+Ltbl+bf	AR09-192019 x AR11-113050	F4	PI 438489B / PI 88788	
8 AR17-179016	WGy	AR09-192019 x AR09-291011	F4	PI 507354/Peking/ PI 88788	
9 AR17-279003	WGbf	AR11-114057 x AR09-291011	F4	PI 507354/Peking/ PI 88788	SDS
10 AR17-379003	PTbl	AR10-305198 x RxEF59-16	F5	PI 438489B	SDS
11 AR17-379009	WGbf	AR11-114057 x AR09-291011	F4	PI 507354/Peking/ PI 88788	SDS
12 AR17-379012	PGbf	AR11-214022 x AR09-191018	F4	Peking	SDS
13 AR17-379013	PGy	AR09-192019 x AR11-113050	F4	PI 438489B / PI 88788	
14 AR17-379019	PMY+bf+ibl	AR09-292004 x AR09-192019	F4		
15 K16-1234	P+WGibl	LS07-3125 x K10-8556	F5	PI 88788	
16 K16-1424	PTbl	S08-17361 x K10-8556	F5	PI 88788	
17 LD15-1477	WLTbr	WN0902577 x LD07-4477	F5	PI 88788	
18 LD15-4596a	PGbf	WN0902577 x LD08-12435a	F5	PI 88788	Rag 2
19 LD15-4616a	WLTbr	WN0902577 x LD08-12435a	F5	PI 88788	Rag 2
20 LD15-5599	PGgr	LD07-3419 x LD10-10226	F5	PI 88788	
21 LD15-5602	WGy	LD07-3419 x LD10-10226	F5	PI 88788	
22 LD15-5619	PGy+gr	LD07-3419 x LD10-10226	F5	PI 88788	
23 LD15-6345	PLtbl	AR10-205011 x LD07-4477	F5	PI 88788	
24 LD15-6762	PGbf	WN0902577 x SD08CV-2102	F5	PI 88788	
25 LD15-6975	PGibl	LD07-3419 x LD09-10220	F5	PI 88788, Peking	
26 LD15-8291	PLtbl	LD07-4477 x LD09-30454	F5	PI 88788, 468916	2 G.soja QTL
27 LD15-8459	PT+Ltbl	BN09002129 x LD09-30454	F5	PI 88788, 468916	2 G.soja QTL
28 U16-925137	PLTbl	U11-614119 x AR09-191018	F5	Peking	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	3.5	1.8
2 IA3048	12	21	25	6	HR	124	113	110	57	LR	2.5	2.3
3 LD07-3395bf	5	4	6	2	HR	1	3	2	1	HR	3.0	1.5
4 U11-920017	180	154	171	56	LR	180	137	122	72	NR	1.5	1.0
5 AR16-361032	14	27	22	7	HR	171	125	129	70	NR	2.0	1.8
6 AR17-179007	2	3	8	1	HR	15	25	32	12	R	2.8	1.0
7 AR17-179009	46	90	46	20	R	57	105	93	42	LR	2.5	1.5
8 AR17-179016	121	108	68	33	MR	94	87	79	43	LR	2.5	1.3
9 AR17-279003	1	22	1	3	HR	2	2	4	1	HR	3.0	1.5
10 AR17-379003	32	11	27	8	HR	126	117	109	58	LR	3.0	1.5
11 AR17-379009	5	13	0	2	HR	92	83	79	42	LR	3.5	1.5
12 AR17-379012	41	29	12	9	HR	84	81	76	28	MR	2.3	2.0
13 AR17-379013	34	25	46	12	R	151	144	152	73	NR	2.3	1.3
14 AR17-379019	78	37	11	14	R	89	133	138	59	LR	3.0	1.5
15 K16-1234	58	115	81	28	MR	138	177	165	79	NR	2.5	2.8
16 K16-1424	3	4	3	1	HR	91	62	56	34	MR	3.0	1.8
17 LD15-1477	17	32	14	7	HR	127	121	130	62	NR	3.3	1.3
18 LD15-4596a	89	36	75	22	R	84	167	124	62	NR	1.3	1.5
19 LD15-4616a	43	51	44	15	R	67	124	113	50	LR	2.8	1.3
20 LD15-5599	94	28	47	19	R	130	90	81	49	LR	3.0	1.5
21 LD15-5602	34	43	55	15	R	64	179	184	70	NR	4.0	1.5
22 LD15-5619	52	41	24	13	R	50	119	107	45	LR	3.5	1.8
23 LD15-6345	13	25	12	6	HR	106	146	150	66	NR	3.5	1.8
24 LD15-6762	70	46	61	20	R	232	188	173	97	NR	2.5	1.5
25 LD15-6975	203	222	113	60	NR	137	127	133	65	NR	2.8	1.5
26 LD15-8291	9	12	8	3	HR	55	94	87	39	MR	3.3	1.5
27 LD15-8459	17	10	12	4	HR	82	79	83	29	MR	2.5	1.0
28 U16-925137	231	242	172	72	NR	104	91	97	48	LR	2.0	1.0

Mean: 2.8 1.5
LSD value: 1.4 1.2
CV (%): 24.3 38.6

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2018 Summary

Entry	Locations	Yield						Maturity date	Lodging score	Height in.	Seed			
		All		Infested		Non-infested					quality	weight	protein	oil
		bu/a	rank	bu/a	rank	bu/a	rank				score	g/100	@13%	@13%
1	LD11-2170	73.7	1	73.7	1			9/16	2.0	36	1.3	14.3	34.3	19.2
2	IA3048	67.6	13	67.6	13			0	2.5	39	1.8	13.3	35.0	18.2
3	LD07-3395bf	68.9	8	68.9	8			6	2.0	35	2.0	14.2	33.0	18.9
4	U11-920017	62.8	20	62.8	20			-6	2.5	34	2.0	14.3	32.2	20.0
5	AR16-361032	66.0	15	66.0	15			-2	2.9	36	2.3	14.6	35.5	18.7
6	AR17-179007	52.7	28	52.7	28			-7	2.4	36	3.4	15.4	36.7	19.4
7	AR17-179009	54.4	27	54.4	27			-8	2.0	32	3.4	15.2	35.1	19.6
8	AR17-179016	60.0	24	60.0	24			-7	3.3	33	3.1	14.6	35.9	18.5
9	AR17-279003	62.6	21	62.6	21			1	2.3	37	2.4	15.2	33.9	17.6
10	AR17-379003	58.8	25	58.8	25			0	3.0	42	1.6	13.9	35.2	18.0
11	AR17-379009	65.9	16	65.9	16			2	2.2	38	2.0	15.8	33.9	17.6
12	AR17-379012	65.4	17	65.4	17			0	2.5	37	2.3	14.2	35.4	18.5
13	AR17-379013	57.4	26	57.4	26			-6	2.2	34	2.8	14.6	35.1	18.4
14	AR17-379019	61.0	23	61.0	23			-4	3.0	35	3.0	14.8	35.2	18.6
15	K16-1234	62.2	22	62.2	22			9	1.8	37	1.8	13.6	33.8	18.0
16	K16-1424	69.8	6	69.8	6			7	2.6	36	1.6	14.2	33.2	18.1
17	LD15-1477	71.9	5	71.9	5			3	2.6	39	1.6	13.4	35.1	18.0
18	LD15-4596a	69.0	7	69.0	7			-1	2.4	34	1.5	15.4	34.5	19.1
19	LD15-4616a	66.9	14	66.9	14			-1	2.0	34	1.8	14.4	34.6	18.2
20	LD15-5599	73.6	3	73.6	3			3	1.7	32	2.2	15.0	32.9	18.7
21	LD15-5602	68.8	9	68.8	9			-2	2.6	35	1.7	15.0	33.8	18.9
22	LD15-5619	67.9	11	67.9	11			-2	2.9	34	2.4	15.6	33.4	18.9
23	LD15-6345	68.1	10	68.1	10			2	2.8	38	1.7	16.0	33.8	18.9
24	LD15-6762	72.4	4	72.4	4			2	2.7	40	1.5	14.0	35.0	18.1
25	LD15-6975	63.3	19	63.3	19			3	2.6	38	1.7	14.4	33.9	18.5
26	LD15-8291	67.9	11	67.9	11			12	1.9	41	1.7	13.6	34.5	17.7
27	LD15-8459	73.6	2	73.6	2			8	2.9	40	1.7	15.4	33.2	18.6
28	U16-925137	63.5	18	63.5	18			5	1.8	36	1.8	14.3	34.0	18.6
	Mean	65.6		65.6				17.1	2.4	36.2	2.1	14.6	34.4	18.6
	LSD(.05)	3.2		3.2				2.6	0.4	1.7				
	C.V. %	5.5		5.5				15.2	19.9	5.7				
	Replications	10		10				8	12	12				

*Bellwood, NE yield data not included in means

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Yield (bu/a)

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA 2.5.7	IA 2.5.7	IL 2.5.7	KS Inf	MO 2.5.7	NE Inf
Strain						
1 LD11-2170	63.5	74.0	107.2	43.7	80.2	30.7
2 IA3048	60.5	65.6	105.5	36.4	70.1	23.4
3 LD07-3395bf	69.3	61.2	108.9	40.7	64.4	26.2
4 U11-920017	42.4	59.6	102.9	32.1	77.2	23.6
5 AR16-361032	53.3	61.4	104.3	39.9	71.2	35.0
6 AR17-179007	35.3	42.6	85.6	25.9	74.2	18.8
7 AR17-179009	41.0	48.7	92.1	28.9	61.3	18.7
8 AR17-179016	46.5	51.3	92.2	26.9	83.4	6.1
9 AR17-279003	58.0	62.4	96.1	28.9	67.5	38.3
10 AR17-379003	51.9	57.3	88.7	30.2	66.0	37.5
11 AR17-379009	60.5	60.6	100.8	31.6	75.9	29.7
12 AR17-379012	59.1	57.4	97.2	32.2	82.5	15.1
13 AR17-379013	46.2	52.0	99.6	27.8	61.4	23.0
14 AR17-379019	49.9	55.2	96.7	30.9	72.4	34.7
15 K16-1234	51.1	59.0	95.9	41.9	62.9	18.9
16 K16-1424	65.0	64.5	102.1	41.5	75.8	23.5
17 LD15-1477	62.3	69.6	97.8	42.0	87.5	23.8
18 LD15-4596a	61.8	69.1	95.7	45.7	72.8	28.7
19 LD15-4616a	53.9	67.4	97.9	36.7	78.5	41.3
20 LD15-5599	58.8	70.5	111.5	43.3	83.6	29.1
21 LD15-5602	54.8	67.2	98.8	41.9	81.3	18.5
22 LD15-5619	53.0	66.9	103.5	40.2	76.0	30.7
23 LD15-6345	56.2	60.1	100.7	40.6	82.9	34.0
24 LD15-6762	65.4	73.9	97.0	41.9	83.7	35.9
25 LD15-6975	60.0	58.1	104.2	30.0	64.3	32.8
26 LD15-8291	68.1	62.0	96.2	37.4	77.0	24.6
27 LD15-8459	68.9	70.3	108.3	35.8	85.1	44.9
28 U16-925137	47.2	69.5	100.6	27.7	72.4	28.5
Average	55.9	62.0	99.6	36.1	74.7	27.6
LSD(2-sided,.05)	5.3	7.9	9.1	5.1	8.8	18.4
C.V. %	4.7	6.2	4.5	6.8	5.7	27.2
Replications	2	2	2	2	2	2
Row spacing (in.)	30	30	30	30	30	30

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Yield (rank)

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA	IA	IL	KS	MO	NE
	2.5.7	2.5.7	2.5.7	Inf	2.5.7	Inf
Strain						
1 LD11-2170	6	1	4	2	9	11
2 IA3048	9	11	5	15	21	21
3 LD07-3395bf	1	16	2	9	24	16
4 U11-920017	26	19	9	18	11	19
5 AR16-361032	18	15	6	12	20	6
6 AR17-179007	28	28	28	28	16	24
7 AR17-179009	27	27	26	23	28	25
8 AR17-179016	24	26	25	27	5	28
9 AR17-279003	14	13	22	23	22	3
10 AR17-379003	20	23	27	21	23	4
11 AR17-379009	10	17	11	19	14	12
12 AR17-379012	12	22	18	17	7	27
13 AR17-379013	25	25	14	25	27	22
14 AR17-379019	22	24	20	20	18	7
15 K16-1234	21	20	23	5	26	23
16 K16-1424	5	12	10	8	15	20
17 LD15-1477	7	5	17	4	1	18
18 LD15-4596a	8	7	24	1	17	14
19 LD15-4616a	17	8	16	14	10	2
20 LD15-5599	13	3	1	3	4	13
21 LD15-5602	16	9	15	5	8	26
22 LD15-5619	19	10	8	11	13	10
23 LD15-6345	15	18	12	10	6	8
24 LD15-6762	4	2	19	5	3	5
25 LD15-6975	11	21	7	22	25	9
26 LD15-8291	3	14	21	13	12	17
27 LD15-8459	2	4	3	16	2	1
28 U16-925137	23	6	13	26	19	15

Maturity

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA	IA	IL	KS	MO	NE
	2.5.7	2.5.7	2.5.7	Inf	2.5.7	Inf
Strain						
1 LD11-2170	9/14		9/07	9/21	9/23	
2 IA3048	2		1	-2	-2	
3 LD07-3395bf	9		5	10	2	
4 U11-920017	-10		-6	-6	-1	
5 AR16-361032	-3		-1	-3	-1	
6 AR17-179007	-11		-9	-5	-4	
7 AR17-179009	-13		-9	-4	-5	
8 AR17-179016	-8		-9	-4	-5	
9 AR17-279003	5		1	-1	0	
10 AR17-379003	-1		-1	4	-2	
11 AR17-379009	5		1	3	0	
12 AR17-379012	3		0	-4	0	
13 AR17-379013	-10		-5	-4	-5	
14 AR17-379019	-5		-4	-5	-1	
15 K16-1234	8		9	11	8	
16 K16-1424	5		7	11	8	
17 LD15-1477	1		0	8	1	
18 LD15-4596a	1		-3	-2	0	
19 LD15-4616a	-2		-2	0	-1	
20 LD15-5599	1		6	6	0	
21 LD15-5602	-4		-1	-2	0	
22 LD15-5619	-7		1	1	-1	
23 LD15-6345	1		3	-1	3	
24 LD15-6762	3		3	2	2	
25 LD15-6975	4		2	6	1	
26 LD15-8291	12		10	14	12	
27 LD15-8459	7		6	8	11	
28 U16-925137	7		4	9	1	
Planted	5/07	5/08	5/07	5/18	5/22	5/09

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Lodging (score)

Strain	Muscatine		Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA	IA	IL	KS	MO	NE	
	SCN HG Type	2.5.7	2.5.7	2.5.7	Inf	2.5.7	Inf
1 LD11-2170	1.5	2.0	1.5	2.0	3.0	2.0	
2 IA3048	1.5	2.5	3.3	2.5	3.0	2.5	
3 LD07-3395bf	1.5	1.0	2.0	2.0	3.0	2.5	
4 U11-920017	1.0	2.5	2.5	2.0	3.8	3.0	
5 AR16-361032	2.0	2.5	3.3	3.0	4.0	2.5	
6 AR17-179007	1.5	3.0	3.0	2.0	3.0	2.0	
7 AR17-179009	1.0	2.0	2.3	2.0	1.8	3.0	
8 AR17-179016	1.5	2.5	4.3	3.5	3.8	4.0	
9 AR17-279003	2.0	2.0	2.0	2.0	2.8	3.0	
10 AR17-379003	2.0	2.5	3.8	2.0	3.8	4.0	
11 AR17-379009	1.5	2.0	2.3	2.0	3.3	2.0	
12 AR17-379012	1.5	2.0	2.0	3.0	3.3	3.0	
13 AR17-379013	1.5	2.5	1.8	3.0	3.3	1.0	
14 AR17-379019	2.0	3.0	3.3	3.0	3.5	3.0	
15 K16-1234	1.0	1.5	2.0	2.0	2.5	1.5	
16 K16-1424	2.0	2.5	3.0	2.0	3.5	2.5	
17 LD15-1477	2.0	2.0	2.8	2.5	3.5	3.0	
18 LD15-4596a	1.5	2.0	2.5	2.5	3.3	2.5	
19 LD15-4616a	1.5	2.0	1.8	2.0	2.8	2.0	
20 LD15-5599	1.0	2.0	2.0	2.0	2.0	1.0	
21 LD15-5602	2.0	2.0	3.5	3.0	3.0	2.0	
22 LD15-5619	2.5	3.0	3.5	3.0	3.3	2.0	
23 LD15-6345	2.0	2.5	3.0	2.5	4.0	3.0	
24 LD15-6762	2.0	2.5	3.3	2.5	2.8	3.0	
25 LD15-6975	2.0	2.5	2.8	2.0	3.3	3.0	
26 LD15-8291	1.0	1.5	2.8	2.0	3.3	1.0	
27 LD15-8459	1.5	2.5	2.8	3.0	5.0	2.5	
28 U16-925137	1.0	2.0	1.5	2.0	2.0	2.0	

Height (inches)

Strain	Muscatine		Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA	IA	IL	KS	MO	NE	
	SCN HG Type	2.5.7	2.5.7	2.5.7	Inf	2.5.7	Inf
1 LD11-2170	32	34	45	34	43	30	
2 IA3048	34	37	40	40	50	34	
3 LD07-3395bf	32	36	41	34	40	29	
4 U11-920017	29	31	38	35	41	29	
5 AR16-361032	32	34	40	36	43	30	
6 AR17-179007	31	34	41	29	47	33	
7 AR17-179009	27	32	39	33	38	26	
8 AR17-179016	27	32	37	39	44	21	
9 AR17-279003	36	35	43	36	42	32	
10 AR17-379003	38	43	44	39	54	35	
11 AR17-379009	35	33	44	36	47	32	
12 AR17-379012	33	33	42	42	44	30	
13 AR17-379013	27	29	37	43	38	35	
14 AR17-379019	32	34	41	34	46	25	
15 K16-1234	32	36	47	37	44	28	
16 K16-1424	32	35	45	35	43	29	
17 LD15-1477	34	37	47	39	48	32	
18 LD15-4596a	31	32	37	33	42	30	
19 LD15-4616a	30	35	42	35	41	24	
20 LD15-5599	26	30	35	32	41	31	
21 LD15-5602	29	35	39	37	44	26	
22 LD15-5619	28	33	37	33	39	34	
23 LD15-6345	34	35	44	38	48	29	
24 LD15-6762	36	38	46	38	47	34	
25 LD15-6975	34	35	41	36	45	36	
26 LD15-8291	38	39	49	41	47	34	
27 LD15-8459	37	37	44	40	48	34	
28 U16-925137	30	35	46	35	43	28	

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Seed Quality (score)

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA 2.5.7	IA 2.5.7	IL 2.5.7	KS Inf	MO 2.5.7	NE Inf
Strain						
1 LD11-2170	1.0	1.0	1.0		2.0	1.5
2 IA3048	1.0	1.0	2.0		3.0	2.0
3 LD07-3395bf	2.0	1.0	2.0		4.0	1.0
4 U11-920017	2.0	2.0	2.0		2.0	2.0
5 AR16-361032	2.0	2.0	2.0		3.5	2.0
6 AR17-179007	5.0	4.0	3.0		3.0	2.0
7 AR17-179009	4.0	5.0	2.0		4.0	2.0
8 AR17-179016	4.0	4.0	2.0		3.5	2.0
9 AR17-279003	2.0	3.0	2.0		3.0	2.0
10 AR17-379003	1.0	1.0	2.0		2.0	2.0
11 AR17-379009	1.0	2.0	2.0		3.0	2.0
12 AR17-379012	1.0	4.0	2.0		3.0	1.5
13 AR17-379013	3.0	4.0	2.0		3.0	2.0
14 AR17-379019	3.0	4.0	3.0		3.0	2.0
15 K16-1234	1.0	1.0	2.0		3.0	2.0
16 K16-1424	1.0	1.0	2.0		2.0	2.0
17 LD15-1477	1.0	1.0	1.0		3.0	2.0
18 LD15-4596a	1.0	1.0	2.0		2.0	1.5
19 LD15-4616a	2.0	1.0	2.0		2.0	2.0
20 LD15-5599	2.0	2.0	3.0		3.0	1.0
21 LD15-5602	2.0	1.0	1.0		2.5	2.0
22 LD15-5619	3.0	1.0	3.0		3.0	2.0
23 LD15-6345	1.0	1.0	2.0		3.0	1.5
24 LD15-6762	1.0	1.0	2.0		1.5	2.0
25 LD15-6975	1.0	2.0	2.0		2.0	1.5
26 LD15-8291	1.0	1.0	2.0		3.5	1.0
27 LD15-8459	1.0	1.0	2.0		3.0	1.5
28 U16-925137	2.0	1.0	2.0		3.0	1.0

Seed Weight (g/100)

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA 2.5.7	IA 2.5.7	IL 2.5.7	KS Inf	MO 2.5.7	NE Inf
Strain						
1 LD11-2170	14.6	14.0	16.0		15.1	11.9
2 IA3048	14.7	11.9	15.9		13.2	10.9
3 LD07-3395bf	14.6	13.0	17.1		15.0	11.3
4 U11-920017	12.7	13.2	18.1		14.5	13.0
5 AR16-361032	14.2	13.5	18.0		14.2	13.3
6 AR17-179007	14.6	13.9	17.8		15.6	15.3
7 AR17-179009	13.8	13.8	19.2		16.3	13.1
8 AR17-179016	13.5	14.1	18.9		15.5	10.9
9 AR17-279003	14.3	14.3	18.3		15.4	13.7
10 AR17-379003	13.0	12.4	17.2		14.7	12.4
11 AR17-379009	14.3	14.3	18.9		18.4	12.9
12 AR17-379012	13.8	13.8	15.7		15.9	11.6
13 AR17-379013	14.1	14.6	18.3		14.7	11.5
14 AR17-379019	13.9	13.8	18.2		15.1	13.1
15 K16-1234	13.6	12.8	16.1		14.5	11.1
16 K16-1424	13.8	12.9	16.7		15.8	12.0
17 LD15-1477	13.5	12.4	15.3		14.6	11.1
18 LD15-4596a	14.7	14.1	19.1		16.7	12.5
19 LD15-4616a	14.3	13.8	17.2		16.1	10.8
20 LD15-5599	14.1	13.7	19.2		15.3	12.6
21 LD15-5602	14.3	14.3	18.5		15.6	12.2
22 LD15-5619	15.0	11.3	20.8		17.4	13.4
23 LD15-6345	16.0	14.5	18.9		17.4	13.2
24 LD15-6762	13.5	13.7	16.6		14.9	11.4
25 LD15-6975	14.3	12.9	17.2		15.0	12.7
26 LD15-8291	13.5	12.7	15.4		13.7	12.6
27 LD15-8459	14.2	18.4	16.7		16.3	11.6
28 U16-925137	14.3	13.6	17.2		14.8	11.5

2018 SCN PRELIMINARY TEST III

Protein (%)

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA	IA	IL	KS	MO	NE
Strain	2.5.7	2.5.7	2.5.7	Inf	2.5.7	Inf
1 LD11-2170	34.3	33.1	32.9		35.9	35.3
2 IA3048	35.0	32.7	34.1		36.3	36.7
3 LD07-3395bf	33.5	31.2	32.2		34.7	33.5
4 U11-920017	32.7	30.6	31.2		32.6	33.9
5 AR16-361032	35.8	33.9	35.0		35.7	36.8
6 AR17-179007	38.9	37.2	34.2		36.8	36.3
7 AR17-179009	36.1	34.3	33.7		34.5	36.8
8 AR17-179016	36.7	35.7	34.1		36.2	36.9
9 AR17-279003	34.7	33.6	32.2		34.2	34.6
10 AR17-379003	35.6	32.8	34.3		36.2	37.0
11 AR17-379009	34.8	33.0	32.1		35.1	34.7
12 AR17-379012	36.0	34.5	33.4		36.3	36.8
13 AR17-379013	34.6	35.2	33.6		35.3	36.9
14 AR17-379019	36.7	35.0	33.9		34.3	36.4
15 K16-1234	33.4	32.5	32.8		35.2	35.0
16 K16-1424	33.7	32.4	32.4		34.0	33.7
17 LD15-1477	33.9	34.4	34.7		36.4	36.1
18 LD15-4596a	35.4	32.7	33.6		35.5	35.2
19 LD15-4616a	35.9	33.3	33.1		36.0	34.5
20 LD15-5599	32.8	31.6	32.9		33.7	33.4
21 LD15-5602	33.0	31.8	33.5		35.4	35.1
22 LD15-5619	35.2	32.7	32.5		33.2	33.5
23 LD15-6345	33.9	31.8	33.2		34.8	35.1
24 LD15-6762	34.9	33.3	34.7		36.2	35.9
25 LD15-6975	33.1	32.6	33.9		34.7	35.2
26 LD15-8291	36.5	33.0	34.2		34.6	34.1
27 LD15-8459	33.9	31.6	32.4		34.4	33.7
28 U16-925137	35.8	32.7	32.3		33.6	35.5

Oil (%)

SCN HG Type	Muscatine	Oskaloosa	Arthur	Manhattan	Rock Port	Bellwood
	IA	IA	IL	KS	MO	NE
Strain	2.5.7	2.5.7	2.5.7	Inf	2.5.7	Inf
1 LD11-2170	20.8	19.8	18.5		18.6	18.0
2 IA3048	19.7	18.9	17.9		18.7	15.9
3 LD07-3395bf	19.8	19.9	18.4		18.9	17.4
4 U11-920017	21.9	21.1	19.1		19.3	18.5
5 AR16-361032	19.9	19.6	18.1		18.6	17.2
6 AR17-179007	20.4	21.0	18.3		19.0	18.0
7 AR17-179009	20.7	21.8	18.0		19.7	17.7
8 AR17-179016	20.0	20.3	17.2		18.6	16.6
9 AR17-279003	18.4	18.1	17.0		17.8	16.6
10 AR17-379003	19.0	19.5	17.4		17.9	16.5
11 AR17-379009	18.0	18.6	17.1		18.2	16.2
12 AR17-379012	18.9	20.0	18.4		18.9	16.2
13 AR17-379013	19.6	19.5	17.8		18.3	16.8
14 AR17-379019	19.5	18.8	18.0		18.9	17.6
15 K16-1234	19.3	18.8	17.7		17.2	17.1
16 K16-1424	18.5	18.9	17.7		18.4	17.0
17 LD15-1477	19.6	18.6	17.5		18.1	16.1
18 LD15-4596a	20.4	19.9	18.4		19.3	17.5
19 LD15-4616a	19.0	18.9	17.8		18.1	17.1
20 LD15-5599	19.9	19.6	17.7		18.7	17.9
21 LD15-5602	20.9	20.4	17.6		18.5	17.1
22 LD15-5619	19.2	20.2	17.3		19.3	18.5
23 LD15-6345	19.8	20.3	17.8		18.9	17.7
24 LD15-6762	19.1	19.4	17.3		18.3	16.5
25 LD15-6975	19.7	19.3	17.8		18.5	17.1
26 LD15-8291	17.7	18.5	17.4		18.1	16.7
27 LD15-8459	19.1	19.8	18.2		19.0	17.1
28 U16-925137	19.3	20.0	18.6		18.5	16.6