

### 2023 SCN UNIFORM III

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Cooperator reported Traits	Cooperator reported SCN Resistance source
1 LD11-2170 (SCN)	PLtbr	Syngenta 03JR313108 x LD05-3171	7	F5		Het-Rhg1_PI88788+Rhg4
2 U15-606207 (SCN)	PGbf	LD07-3419 x U09-105007	5	F5	Rps	Rhg1_Peking+Rhg4
3 LD07-3395bf (SCN)	WGbf	Syngenta WW115926 x LD00-2817	7	F5		Rhg1_Peking+Rhg4
4 U14-910097 (SCN)	PGbf	U09-105007 x LD07-3419	3	F5		Rhg1_Peking+Rhg4
5 A15208-104	PGibl	(AR12-127102 x AR12-327073) x LD07-3419	1	F5		Rhg1-Peking+Rhg4
6 A15208-113	PLtbl	(AR12-127102 x AR12-327073) x LD07-3419	1	F5		Rhg1-Peking+Rhg4
7 A16355-142	PLtbr	(LD11-2170/LD07-3395bf) x IA2103	22 PT IIIA	F5		Rhg1-Peking+Rhg4
8 LD18-1767	PLtbl	LD10-10226 x LD10-9168	1	F5		Rhg1_PI88788
9 LD18-6596	WLty	U11-616086 x LD11-2170	1	F5		Rhg1_PI88788
10 LD18-7628	WLtbr	LG11-6208 x LD11-2170	1	F5		Rhg1_PI88788
11 LD19-2650	PLtbr	LD13-3483 x LD11-2170	22SCN P IIIB	F5		PI 88788
12 LD19-2693	WLtbr	LD13-3483 x LD11-2170	22 PT IIIB	F5		Het-Rhg1_PI88788
13 LD20-11526	PLtLbl	LD12-3903 x LD11-2170	22 PT IIIB	F5		Rhg1_PI88788
14 LD20-11552	PLtbr	LD12-3903 x LD11-2170	22 PT IIIB	F4		Rhg1_PI88788
15 SA19-10016	PLtbl	SA13-1310 x LD11-2170	22SCN P IIIB	F5	Rps1k, SC	Rhg1b
16 SA19-12541	PLtbr	U14-924158 x LD11-2170	22SCN P IIIB	F5	BSR, SC	Rhg1a+Rhg4
17 SA19-28597	PLtbl	SA13-1385 x U14-924158	22SCN P IIIB	F5	SC	Rhg1a+Rhg4
18 SA19-9915	WLtbr	SA13-2489 x LD11-2170	22SCN P IIIB	F5	Rps1k, BSR	Rhg1a+Rhg2
19 U19-220018	PGbf	U14-910097 x U14-909100	22SCN P IIIA	F5	Rps	Rhg1_PI88788+Rhg4
20 U19-221027	PGbf	U14-910097 x U14-909100	22SCN P IIIA	F5	Rps	Het-Rhg1 - SCN Peking
21 U19-604203	PLtbr	U14-910097 x LD11-2170	1	F5	Rps	Het-Rhg1-Peking,R-Rhg4
22 U19-607156	PLtbr	U14-910097 x U14-924158	1	F5	Rps, IDC	Rhg1-Peking+Rhg4
23 U19-608187	PGbf/ibl	U14-910097 x U14-924158	1	F5	Rps, IDC	Rhg1-Peking+Rhg4

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Entry	MO SCN screening						SNP marker analysis			Root Knot
	HG 7		HG 2.5.7		HG 1.2.5.7		SCN			Nematode
	FI	rating	FI	rating	FI	rating	Rhg1-88788	Rhg1-Peking	Rhg4	
1 LD11-2170 (SCN)	17	R					R	S	S	S
2 U15-606207 (SCN)	3	HR	1	HR	15	R	S	R	R	S
3 LD07-3395bf (SCN)	4	HR	15	R	45	**	S	R	R	S
4 U14-910097 (SCN)	3	HR	0	HR	19	R	S	R	R	S
5 A15208-104	2	<i>HR</i>	0	<i>HR</i>	18	<i>R</i>	S	R	R	S
6 A15208-113	2	<i>HR</i>	9	<i>HR</i>	59	<i>LR</i>	S	R	R	S
7 A16355-142	4	HR	1	HR	16	R	S	R	R	S
8 LD18-1767	8	HR	95	NR			R	S	S	S
9 LD18-6596	10	HR	80	NR			R	S	S	S
10 LD18-7628	22	R	84	NR			R	S	S	S
11 LD19-2650	26	**					Het	Het	-	S
12 LD19-2693	9	HR	82	NR	73	NR	R	S	R	S
13 LD20-11526	10	R					R	S	S	S
14 LD20-11552	9	HR					R	S	S	S
15 SA19-10016	13	R					R	S	S	S
16 SA19-12541	5	HR	18	R	48	LR	S	R	R	S
17 SA19-28597	26	**	14	R	13	R	S	R	Het	S
18 SA19-9915	54	LR	27	MR	10	R	S	R	S	S
19 U19-220018	9	HR					R	S	R	S
20 U19-221027	8	HR	22	**	42	**	Het	Het	R	S
21 U19-604203	3	<i>HR</i>	1	<i>HR</i>	20	<i>R</i>	S	Het	R	S
22 U19-607156	6	<i>HR</i>	8	<i>HR</i>	70	<i>NR</i>	S	R	R	S
23 U19-608187	4	<i>HR</i>	7	<i>HR</i>	48	**	S	R	R	S

(\*\*)=rep data too variable to rate

(-)=missing data

*Italic=2022 data*

**2023 SCN UNIFORM III**

	SNP marker analysis												Brown stem rot	Frogeye leaf spot	Stem canker
	Iron Chlorosis			Phytophthora						Rps2	Rps3a	Rps6			
	Fec-LgA1	Fec-LgN	Ch13	Rps1a	Rps1c	Rps1d	Rps1k								
<b>1 LD11-2170 (SCN)</b>	S	R	-	S	S	S	R	S	S	S	-	S	R		
<b>2 U15-606207 (SCN)</b>	S	R	R	S	S	S	S	S	S	R	S	S	R		
<b>3 LD07-3395bf (SCN)</b>	S	R	R	S	S	S	S	S	S	S	S	S	R		
<b>4 U14-910097 (SCN)</b>	Het	S	R	S	S	S	S	S	S	S	S	S	R		
<b>5 A15208-104</b>	S	S	R	S	S	S	S	S	S	S	R	S	R		
<b>6 A15208-113</b>	S	R	R	R	S	S	S	S	S	S	R	S	R		
<b>7 A16355-142</b>	S	R	R	S	S	S	R	S	S	S	S	S	R		
<b>8 LD18-1767</b>	S	R	R	S	S	S	S	S	S	S	R	S	R		
<b>9 LD18-6596</b>	S	Het	R	S	S	S	R	S	S	S	-	S	R		
<b>10 LD18-7628</b>	S	Het	Het	S	S	S	S	S	S	S	R	S	R		
<b>11 LD19-2650</b>	S	Het	R	S	S	S	Het	S	S	S	R	S	R		
<b>12 LD19-2693</b>	S	R	S	S	S	S	R	S	S	S	R	S	R		
<b>13 LD20-11526</b>	R	Het	R	S	Het	S	Het	S	S	S	R	S	R		
<b>14 LD20-11552</b>	R	Het	R	S	Het	S	Het	S	S	S	R	S	R		
<b>15 SA19-10016</b>	S	R	R	S	S	S	R	S	S	S	S	S	R		
<b>16 SA19-12541</b>	S	R	S	S	S	S	S	S	S	S	R	S	R		
<b>17 SA19-28597</b>	R	R	R	S	S	S	S	S	S	S	S	S	R		
<b>18 SA19-9915</b>	S	R	R	S	S	S	R	S	S	S	R	S	R		
<b>19 U19-220018</b>	R	S	R	S	S	S	S	S	S	S	S	S	R		
<b>20 U19-221027</b>	R	S	R	S	S	S	S	S	S	S	S	S	R		
<b>21 U19-604203</b>	Het	-	Het	S	S	S	R	S	S	S	Het	S	R		
<b>22 U19-607156</b>	S	S	R	S	S	S	S	S	S	S	S	S	R		
<b>23 U19-608187</b>	S	Het	R	S	S	S	S	S	S	S	S	S	R		

(-)=missing data

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### Predicted resistance genes based on SNP marker analysis

Entry	SCN	Iron Chlorosis	Phytophthora
1 LD11-2170 (SCN)	Rhg1_Pl88788	LgN	Rps1k
2 U15-606207 (SCN)	Rhg1_Peking, Rhg4_Peking	LgN+Ch13	Rps6
3 LD07-3395bf (SCN)	Rhg1_Peking, Rhg4_Peking	LgN+Ch13	
4 U14-910097 (SCN)	Rhg1_Peking, Rhg4_Peking	H-LgA+Ch13	
5 A15208-104	Rhg1-Peking+Rhg4	Ch13	
6 A15208-113	Rhg1-Peking+Rhg4	LgN+Ch13	Rps1a
7 A16355-142	Rhg1_Peking, Rhg4_Peking	R-(LgN+Ch13)	Rps1k
8 LD18-1767	Rhg1_Pl88788	LgN+Ch13	
9 LD18-6596	Rhg1_Pl88788	H-LgN+Ch13	Rps1k
10 LD18-7628	Rhg1_Pl88788	H-LgN+H-Ch13	
11 LD19-2650	Het-Rhg1_Pl88788&Peking	H-LgN+Ch13	H-Rps1k
12 LD19-2693	Rhg1_Pl88788, Rhg4_Peking	LgN	Rps1k
13 LD20-11526	Rhg1_Pl88788	LgA+H-LgN+Ch13	H-Rps1c+H-Rps1k
14 LD20-11552	Rhg1_Pl88788	LgA+H-LgN+Ch13	H-Rps1c+H-Rps1k
15 SA19-10016	Rhg1_Pl88788	LgN+Ch13	Rps1k
16 SA19-12541	Rhg1_Peking, Rhg4_Peking	LgN	
17 SA19-28597	Rhg1_Peking, Het-Rhg4_Peking	LgA+LgN+Ch13	
18 SA19-9915	Rhg1_Peking	LgN+Ch13	Rps1k
19 U19-220018	Rhg1_Pl88788+Rhg4	R-(LgA1+Ch13)	
20 U19-221027	Het-Rhg1 - SCN Peking	R-(LgA1+Ch13)	
21 U19-604203	Rhg4, Het Rhg1-Peking	Het LgA+Ch13	Rps1k
22 U19-607156	Rhg1-Peking+Rhg4	Ch13	none
23 U19-608187	Rhg1-Peking+Rhg4	Ch13, Het LgN	none

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### 2023 Summary

Entry	Yield						Seed						
	All		Infested		Non-infested		Maturity	Lodging	Height	weight	quality	protein	oil
	bu/a	rank	bu/a	rank	bu/a	rank	date	score	in.	g/100	score	@13%	@13%
Locations	10*		3*		5*		8	9	8	7	7	6	6
<b>1 LD11-2170 (SCN)</b>	<b>69.5</b>	<b>18</b>	68.5	13	70.4	19	9/24	1.2	34	15.0	1.3	34.6	20.1
<b>2 U15-606207 (SCN)</b>	<b>72.3</b>	<b>10</b>	69.5	10	74.1	9	3.0	1.2	34	16.1	1.1	33.6	20.1
<b>3 LD07-3395bf (SCN)</b>	<b>68.5</b>	<b>20</b>	65.7	21	70.4	19	4.4	1.4	33	15.2	1.1	33.1	20.1
<b>4 U14-910097 (SCN)</b>	<b>72.5</b>	<b>8</b>	70.9	5	73.8	12	0.1	1.7	32	15.4	1.1	33.9	20.7
<b>5 A15208-104</b>	<b>65.4</b>	<b>23</b>	61.8	23	67.9	22	1.6	1.5	34	15.0	1.4	33.1	19.8
<b>6 A15208-113</b>	<b>68.3</b>	<b>21</b>	68.3	14	68.7	21	0.4	1.4	35	14.3	1.1	32.7	20.3
<b>7 A16355-142</b>	<b>72.4</b>	<b>9</b>	68.9	12	74.9	6	0.8	1.4	33	14.4	1.1	33.2	20.9
<b>8 LD18-1767</b>	<b>71.9</b>	<b>13</b>	69.2	11	73.9	11	1.2	1.3	33	14.8	1.3	33.6	19.6
<b>9 LD18-6596</b>	<b>75.3</b>	<b>1</b>	70.7	6	78.3	1	3.0	1.1	32	14.5	1.4	33.5	20.2
<b>10 LD18-7628</b>	<b>72.2</b>	<b>11</b>	71.1	4	73.2	16	2.7	1.6	41	13.7	1.3	33.6	19.8
<b>11 LD19-2650</b>	<b>74.1</b>	<b>4</b>	73.3	1	74.9	6	2.6	1.2	33	15.2	1.3	35.1	19.2
<b>12 LD19-2693</b>	<b>69.3</b>	<b>19</b>	65.9	20	71.7	18	2.2	1.1	34	14.3	1.1	33.4	19.7
<b>13 LD20-11526</b>	<b>73.2</b>	<b>6</b>	67.9	17	76.6	4	4.5	1.4	36	14.4	1.0	33.9	20.2
<b>14 LD20-11552</b>	<b>71.2</b>	<b>15</b>	68.3	14	73.3	13	0.5	1.2	36	16.0	1.3	34.5	20.3
<b>15 SA19-10016</b>	<b>73.5</b>	<b>5</b>	70.7	6	75.5	5	2.8	1.1	36	13.6	1.1	33.7	20.1
<b>16 SA19-12541</b>	<b>69.9</b>	<b>17</b>	64.7	22	73.3	13	3.0	1.1	34	12.9	1.1	31.7	20.7
<b>17 SA19-28597</b>	<b>70.1</b>	<b>16</b>	67.1	19	72.2	17	3.3	1.4	35	13.8	1.1	33.2	20.1
<b>18 SA19-9915</b>	<b>67.9</b>	<b>22</b>	68.2	16	67.9	22	3.2	1.0	31	13.6	1.6	33.9	19.9
<b>19 U19-220018</b>	<b>71.5</b>	<b>14</b>	67.9	17	74.0	10	0.0	1.2	34	15.8	1.3	33.1	20.1
<b>20 U19-221027</b>	<b>72.8</b>	<b>7</b>	70.1	9	74.7	8	1.4	1.2	36	15.7	1.1	33.4	20.5
<b>21 U19-604203</b>	<b>75.0</b>	<b>3</b>	71.2	3	77.6	2	2.9	1.4	33	14.7	1.4	34.1	20.3
<b>22 U19-607156</b>	<b>75.1</b>	<b>2</b>	72.4	2	77.0	3	2.9	1.3	32	15.2	1.1	33.4	20.4
<b>23 U19-608187</b>	<b>72.1</b>	<b>12</b>	70.6	8	73.3	13	1.1	1.2	33	14.4	1.3	33.4	20.3
Mean	<b>71.5</b>		68.8		73.4		2.2	1.3	34.1	14.7	1.2	33.6	20.2
C.V. %	<b>9.1</b>		9.5		8.7		10.3	25.0	7.3				
LSD(.05)	<b>3.7</b>		6.1		4.6		1.5	0.2	1.4				
Replications	<b>19</b>		7		12		16	18	16				

\*Novelty and Rock Port, MO yield data not included in means.

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### 2 Year Summary

Entry	Yield						Maturity date	Lodging score	Height in.	Seed			
	All bu/a	rank	Infested bu/a	rank	Non-infested bu/a	rank				weight g/100	quality score	protein @13%	oil @13%
Locations	19		11		6		17	17	15	13	13	12	12
<b>1 LD11-2170 (SCN)</b>	<b>65.1</b>	<b>10</b>	60.8	9	72.0	9	9/27	1.3	32	15.7	1.5	34.3	20.1
<b>2 U15-606207 (SCN)</b>	<b>66.4</b>	<b>8</b>	60.8	9	75.3	5	3.4	1.2	33	16.3	1.3	33.2	19.9
<b>3 LD07-3395bf (SCN)</b>	<b>64.8</b>	<b>11</b>	60.6	11	71.9	10	5.1	1.4	32	15.8	1.3	32.7	20.1
<b>4 U14-910097 (SCN)</b>	<b>69.5</b>	<b>4</b>	65.9	6	75.5	4	0.8	1.7	31	15.6	1.3	33.4	20.5
<b>5 A15208-104</b>	<b>63.5</b>	<b>12</b>	60.5	12	68.7	12	1.8	1.6	34	15.3	1.4	32.5	19.8
<b>6 A15208-113</b>	<b>65.3</b>	<b>9</b>	62.6	8	69.8	11	1.2	1.3	34	14.8	1.4	31.9	20.0
<b>8 LD18-1767</b>	<b>69.1</b>	<b>6</b>	65.4	7	75.2	6	1.2	1.2	33	15.6	1.4	33.2	19.6
<b>9 LD18-6596</b>	<b>71.3</b>	<b>2</b>	66.4	3	79.5	1	3.8	1.2	32	15.1	1.6	33.1	19.9
<b>10 LD18-7628</b>	<b>69.1</b>	<b>6</b>	66.2	4	74.0	8	3.8	1.8	39	14.2	1.4	33.1	19.6
<b>21 U19-604203</b>	<b>71.7</b>	<b>1</b>	67.5	1	78.9	2	3.8	1.5	33	15.4	1.5	33.9	20.0
<b>22 U19-607156</b>	<b>70.8</b>	<b>3</b>	66.2	4	78.2	3	3.4	1.3	32	15.6	1.3	33.3	20.2
<b>23 U19-608187</b>	<b>69.4</b>	<b>5</b>	66.5	2	74.3	7	2.5	1.2	32	15.1	1.5	32.9	20.3
Mean	<b>68.0</b>		64.1		74.4		2.8	1.4	33.0	15.4	1.4	33.1	20.0



## 2023 SCN UNIFORM III

Yield (rank)

SCN HG Type	Ames	Urbana	Novelty	Lincoln	Crawfords-	West	Manhattan	Rock	Cook	Phillips
	IA	IL	MO	NE	ville	Lafayette	KS	Port	NE	NE
	2.5.7	2.5.7	1.2.5.7	2.5.7	IA	IN	NI	MO	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>	4	17	11	22	10	15	20	2	16	22
<b>2 U15-606207 (SCN)</b>	12	6	22	13	15	6	1	1	20	11
<b>3 LD07-3395bf (SCN)</b>	19	16	19	19	3	22	18	6	19	20
<b>4 U14-910097 (SCN)</b>	2	18	2	10	18	16	2	15	5	21
<b>5 A15208-104</b>	22	19	21	23	23	11	17	23	22	6
<b>6 A15208-113</b>	18	15	6	3	21	10	23	22	21	15
<b>7 A16355-142</b>	20	9	23	7	20	12	10	11	1	12
<b>8 LD18-1767</b>	10	3	17	16	13	18	21	8	7	2
<b>9 LD18-6596</b>	21	10	1	1	4	4	4	17	6	3
<b>10 LD18-7628</b>	7	13	16	9	9	14	13	4	8	18
<b>11 LD19-2650</b>	1	7	12	5	2	19	14	18	2	16
<b>12 LD19-2693</b>	23	4	9	17	17	20	10	20	17	14
<b>13 LD20-11526</b>	9	12	4	20	6	2	7	21	11	5
<b>14 LD20-11552</b>	3	22	6	14	12	8	19	10	13	10
<b>15 SA19-10016</b>	15	2	2	8	11	5	9	13	9	8
<b>16 SA19-12541</b>	13	23	20	21	14	13	3	5	15	7
<b>17 SA19-28597</b>	17	14	18	18	19	1	16	3	12	23
<b>18 SA19-9915</b>	5	21	14	11	22	23	22	16	18	19
<b>19 U19-220018</b>	16	20	5	6	7	20	15	19	14	1
<b>20 U19-221027</b>	8	5	10	12	16	17	10	7	3	17
<b>21 U19-604203</b>	6	1	13	15	5	7	5	14	4	4
<b>22 U19-607156</b>	11	8	8	2	1	8	8	9	10	9
<b>23 U19-608187</b>	14	11	15	4	8	3	6	12	23	13



## 2023 SCN UNIFORM III

### Maturity

	Ames	Urbana	Novelty	Lincoln	Crawfords- ville	West Lafayette	Manhattan	Rock Port	Cook	Phillips
	IA	IL	MO	NE	IA	IN	KS	MO	NE	NE
SCN HG Type	2.5.7	2.5.7	1.2.5.7	2.5.7	NI	NI	NI	NI	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>	9/25	9/20	9/30	9/22		9/24	9/26	9/28	9/21	
<b>2 U15-606207 (SCN)</b>	6	4	0	3		6	5	1	0	
<b>3 LD07-3395bf (SCN)</b>	7	6	1	4		8	6	2	2	
<b>4 U14-910097 (SCN)</b>	-1	-2	0	-1		3	4	0	-2	
<b>5 A15208-104</b>	1	1	3	0		4	3	-1	3	
<b>6 A15208-113</b>	1	-1	0	1		3	-1	0	1	
<b>7 A16355-142</b>	0	2	3	-1		2	1	-1	2	
<b>8 LD18-1767</b>	2	1	2	-1		4	2	1	-1	
<b>9 LD18-6596</b>	5	4	0	1		6	6	0	3	
<b>10 LD18-7628</b>	4	5	0	0		5	2	3	4	
<b>11 LD19-2650</b>	2	3	3	1		3	3	3	3	
<b>12 LD19-2693</b>	4	5	0	1		3	5	0	0	
<b>13 LD20-11526</b>	6	6	0	2		4	9	5	5	
<b>14 LD20-11552</b>	1	1	0	1		3	0	-1	-1	
<b>15 SA19-10016</b>	5	6	0	1		4	3	0	4	
<b>16 SA19-12541</b>	7	3	0	3		5	4	1	2	
<b>17 SA19-28597</b>	6	5	0	4		3	4	2	3	
<b>18 SA19-9915</b>	6	4	1	1		3	6	3	2	
<b>19 U19-220018</b>	0	-1	0	-1		1	2	-2	1	
<b>20 U19-221027</b>	1	0	0	0		4	7	-1	1	
<b>21 U19-604203</b>	6	4	1	2		3	5	0	3	
<b>22 U19-607156</b>	4	1	1	1		6	9	2	1	
<b>23 U19-608187</b>	4	1	0	1		3	1	-1	1	
<b>Planted</b>	5/24	5/15	6/14	5/24	5/04	5/23	6/16	6/03	5/16	5/23

## 2023 SCN UNIFORM III

### Lodging (score)

SCN HG Type	Ames	Urbana	Novelty	Lincoln	Crawfords-	West	Manhattan	Rock	Cook	Phillips
	IA	IL	MO	NE	ville	Lafayette	KS	Port	NE	NE
	2.5.7	2.5.7	1.2.5.7	2.5.7	NI	NI	NI	NI	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>	1.0	1.0	1.5	1.0		1.5	1.0	1.0	2.0	1.0
<b>2 U15-606207 (SCN)</b>	1.0	1.0	1.5	1.0		1.5	1.0	2.0	1.0	1.0
<b>3 LD07-3395bf (SCN)</b>	1.0	1.0	1.5	1.0		2.0	1.0	2.0	2.8	1.0
<b>4 U14-910097 (SCN)</b>	1.0	1.0	1.5	2.0		1.5	1.0	3.5	3.5	1.0
<b>5 A15208-104</b>	1.0	1.0	1.5	2.5		1.0	1.0	2.0	3.5	1.0
<b>6 A15208-113</b>	1.0	1.0	1.5	2.0		1.0	1.0	3.5	1.0	1.0
<b>7 A16355-142</b>	1.0	1.0	1.5	1.5		1.0	1.0	1.5	3.5	1.0
<b>8 LD18-1767</b>	1.0	1.0	1.5	2.5		1.0	1.0	1.5	1.8	1.0
<b>9 LD18-6596</b>	1.0	1.0	1.5	1.0		1.5	1.0	1.5	1.0	1.0
<b>10 LD18-7628</b>	1.0	1.0	1.5	1.5		1.5	1.0	3.0	3.5	1.0
<b>11 LD19-2650</b>	1.0	1.0	1.5	1.0		1.0	1.0	2.5	1.5	1.0
<b>12 LD19-2693</b>	1.0	1.0	1.5	1.0		1.0	1.0	1.5	1.3	1.0
<b>13 LD20-11526</b>	1.0	1.0	1.5	1.5		1.5	1.0	1.5	2.8	1.0
<b>14 LD20-11552</b>	1.0	1.0	1.5	1.5		1.0	1.0	1.5	2.0	1.0
<b>15 SA19-10016</b>	1.0	1.0	1.5	1.0		1.0	1.0	1.5	1.3	1.0
<b>16 SA19-12541</b>	1.0	1.0	1.5	1.0		1.0	1.0	2.0	1.0	1.0
<b>17 SA19-28597</b>	1.0	1.0	1.5	2.0		1.0	1.0	1.5	2.8	1.0
<b>18 SA19-9915</b>	1.0	1.0	1.5	1.0		1.0	1.0	1.0	1.3	1.0
<b>19 U19-220018</b>	1.0	1.0	1.5	1.0		1.0	1.0	1.5	2.0	1.0
<b>20 U19-221027</b>	1.0	1.0	1.5	1.5		1.0	1.0	1.5	1.8	1.0
<b>21 U19-604203</b>	1.0	1.0	1.5	2.5		1.5	1.0	1.5	1.8	1.0
<b>22 U19-607156</b>	1.0	1.0	1.5	1.0		1.5	1.0	2.5	1.8	1.0
<b>23 U19-608187</b>	1.0	1.0	1.5	1.0		1.0	1.0	1.5	2.5	1.0

## 2023 SCN UNIFORM III

Height (inches)

SCN HG Type	Ames	Urbana	Novelty	Lincoln	Crawfords-	West	Manhattan	Rock	Cook	Phillips
	IA	IL	MO	NE	ville	Lafayette	KS	Port	NE	NE
	2.5.7	2.5.7	1.2.5.7	2.5.7	IA	IN	NI	MO	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>	38	33	30	41		35	33	30	42	
<b>2 U15-606207 (SCN)</b>	38	33	31	44		30	33	38	40	
<b>3 LD07-3395bf (SCN)</b>	35	31	32	44		27	29	37	40	
<b>4 U14-910097 (SCN)</b>	37	30	29	38		31	32	37	36	
<b>5 A15208-104</b>	39	34	24	44		33	35	34	46	
<b>6 A15208-113</b>	39	35	33	43		31	35	40	43	
<b>7 A16355-142</b>	40	35	22	44		31	31	30	43	
<b>8 LD18-1767</b>	38	34	28	41		31	35	30	40	
<b>9 LD18-6596</b>	33	33	30	43		29	31	32	42	
<b>10 LD18-7628</b>	46	42	37	48		31	43	45	46	
<b>11 LD19-2650</b>	39	33	26	39		33	32	38	41	
<b>12 LD19-2693</b>	39	35	33	44		30	32	34	41	
<b>13 LD20-11526</b>	41	36	35	45		34	34	31	43	
<b>14 LD20-11552</b>	41	33	33	44		31	32	41	42	
<b>15 SA19-10016</b>	41	37	31	43		32	34	35	44	
<b>16 SA19-12541</b>	35	32	30	42		30	33	39	44	
<b>17 SA19-28597</b>	40	35	33	44		34	36	28	44	
<b>18 SA19-9915</b>	33	30	28	43		32	30	26	38	
<b>19 U19-220018</b>	39	34	32	43		31	33	31	44	
<b>20 U19-221027</b>	40	35	35	45		29	34	39	44	
<b>21 U19-604203</b>	36	34	30	39		35	32	34	40	
<b>22 U19-607156</b>	37	32	28	40		29	32	37	38	
<b>23 U19-608187</b>	38	33	31	41		30	32	31	40	

## 2023 SCN UNIFORM III

Seed Weight (g/100)

SCN HG Type	Ames	Urbana	Novelty	Lincoln	Crawfords-	West	Manhattan	Rock	Cook	Phillips
	IA	IL	MO	NE	ville	Lafayette		Port	NE	NE
	2.5.7	2.5.7	1.2.5.7	2.5.7	IA	IN		MO	NI	NI
Strain					NI	NI	NI	NI	NI	NI
<b>1 LD11-2170 (SCN)</b>	16.7	17.1				16.3	11.1	14.4	14.4	15.2
<b>2 U15-606207 (SCN)</b>	15.6	17.2				17.4	15.2	16.3	14.7	16.1
<b>3 LD07-3395bf (SCN)</b>	14.5	17.1				15.6	13.7	14.9	14.6	15.7
<b>4 U14-910097 (SCN)</b>	15.0	16.6				16.2	15.8	14.3	14.8	15.1
<b>5 A15208-104</b>	15.0	16.2				16.7	13.2	12.9	15.6	15.2
<b>6 A15208-113</b>	13.9	15.4				15.0	12.7	12.4	15.9	14.9
<b>7 A16355-142</b>	14.1	16.8				15.4	12.6	12.2	14.8	15.2
<b>8 LD18-1767</b>	15.8	17.6				15.2	12.3	13.2	15.0	14.7
<b>9 LD18-6596</b>	15.1	15.8				15.8	12.8	12.2	13.8	15.7
<b>10 LD18-7628</b>	14.8	15.4				14.0	9.8	13.7	13.8	14.1
<b>11 LD19-2650</b>	15.8	17.1				16.1	11.8	14.7	15.2	15.6
<b>12 LD19-2693</b>	14.9	16.3				14.7	12.8	12.8	13.3	15.0
<b>13 LD20-11526</b>	15.5	16.1				15.9	13.8	12.8	13.2	13.4
<b>14 LD20-11552</b>	17.5	17.7				17.9	12.7	13.5	15.5	17.1
<b>15 SA19-10016</b>	14.4	15.2				14.3	12.3	11.6	13.2	14.1
<b>16 SA19-12541</b>	13.3	14.5				13.8	11.7	12.3	11.5	13.1
<b>17 SA19-28597</b>	14.0	15.4				15.7	11.2	13.5	12.9	13.7
<b>18 SA19-9915</b>	14.1	15.1				14.2	12.1	12.7	12.6	14.7
<b>19 U19-220018</b>	16.1	17.1				17.0	14.5	14.7	14.9	16.4
<b>20 U19-221027</b>	16.3	17.4				16.6	15.8	13.2	15.3	15.7
<b>21 U19-604203</b>	14.9	16.2				15.7	14.4	12.7	14.3	15.1
<b>22 U19-607156</b>	15.2	16.6				16.5	14.0	14.7	14.2	15.5
<b>23 U19-608187</b>	14.1	16.5				15.8	13.1	12.1	14.4	14.8

## 2023 SCN UNIFORM III

### Seed Quality (score)

	Ames	Urbana	Novelty	Lincoln	Crawfords- ville	West Lafayette	Manhattan	Rock Port	Cook	Phillips
	IA	IL	MO	NE	IA	IN	KS	MO	NE	NE
SCN HG Type	2.5.7	2.5.7	1.2.5.7	2.5.7	NI	NI	NI	NI	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>	1.0	1.0				1.0	2.0	2.0	1.0	1.0
<b>2 U15-606207 (SCN)</b>	1.0	1.0				1.0	2.0	1.0	1.0	1.0
<b>3 LD07-3395bf (SCN)</b>	1.0	2.0				1.0	1.0	1.0	1.0	1.0
<b>4 U14-910097 (SCN)</b>	1.0	2.0				1.0	1.0	1.0	1.0	1.0
<b>5 A15208-104</b>	1.0	2.0				1.0	3.0	1.0	1.0	1.0
<b>6 A15208-113</b>	1.0	1.0				2.0	1.0	1.0	1.0	1.0
<b>7 A16355-142</b>	1.0	1.0				1.0	2.0	1.0	1.0	1.0
<b>8 LD18-1767</b>	1.0	2.0				1.0	2.0	1.0	1.0	1.0
<b>9 LD18-6596</b>	1.0	2.0				2.0	2.0	1.0	1.0	1.0
<b>10 LD18-7628</b>	1.0	1.0				1.0	3.0	1.0	1.0	1.0
<b>11 LD19-2650</b>	1.0	1.0				2.0	2.0	1.0	1.0	1.0
<b>12 LD19-2693</b>	1.0	1.0				1.0	2.0	1.0	1.0	1.0
<b>13 LD20-11526</b>	1.0	1.0				1.0	1.0	1.0	1.0	1.0
<b>14 LD20-11552</b>	1.0	1.0				1.0	3.0	1.0	1.0	1.0
<b>15 SA19-10016</b>	1.0	1.0				1.0	2.0	1.0	1.0	1.0
<b>16 SA19-12541</b>	1.0	1.0				1.0	2.0	1.0	1.0	1.0
<b>17 SA19-28597</b>	1.0	1.0				1.0	1.0	2.0	1.0	1.0
<b>18 SA19-9915</b>	1.0	2.0				2.0	2.0	2.0	1.0	1.0
<b>19 U19-220018</b>	1.0	2.0				1.0	2.0	1.0	1.0	1.0
<b>20 U19-221027</b>	1.0	2.0				1.0	1.0	1.0	1.0	1.0
<b>21 U19-604203</b>	1.0	1.0				1.0	3.0	2.0	1.0	1.0
<b>22 U19-607156</b>	1.0	1.0				1.0	2.0	1.0	1.0	1.0
<b>23 U19-608187</b>	1.0	1.0				1.0	3.0	1.0	1.0	1.0

## 2023 SCN UNIFORM III

### Protein (%)

	Ames	Urbana	Novelty	Lincoln	Crawfords- ville	West Lafayette	Manhattan	Rock Port	Cook	Phillips
	IA	IL	MO	NE	IA	IN	KS	MO	NE	NE
SCN HG Type	2.5.7	2.5.7	1.2.5.7	2.5.7	NI	NI	NI	NI	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>		35.4				33.8	36.4	33.7	34.1	34.1
<b>2 U15-606207 (SCN)</b>		34.3				33.4	33.0	33.2	34.3	33.1
<b>3 LD07-3395bf (SCN)</b>		34.4				32.1	33.8	32.9	33.7	31.7
<b>4 U14-910097 (SCN)</b>		35.5				33.5	33.2	33.9	34.3	33.2
<b>5 A15208-104</b>		33.5				31.9	34.0	32.1	34.4	32.4
<b>6 A15208-113</b>		33.1				31.9	32.9	32.1	34.5	31.7
<b>7 A16355-142</b>		34.1				32.5	33.9	32.7	33.7	32.4
<b>8 LD18-1767</b>		34.7				33.3	33.6	33.2	33.7	32.9
<b>9 LD18-6596</b>		33.3				34.4	33.6	32.0	34.1	33.3
<b>10 LD18-7628</b>		34.3				33.0	34.4	33.2	33.5	33.2
<b>11 LD19-2650</b>		36.1				35.4	36.8	33.7	34.9	33.6
<b>12 LD19-2693</b>		34.5				33.7	32.0	33.1	34.5	32.8
<b>13 LD20-11526</b>		35.5				34.7	33.7	33.3	33.4	33.0
<b>14 LD20-11552</b>		35.4				34.9	34.5	34.2	34.5	33.6
<b>15 SA19-10016</b>		34.6				34.7	32.9	33.5	33.5	33.3
<b>16 SA19-12541</b>		32.8				31.8	31.3	31.7	31.7	30.9
<b>17 SA19-28597</b>		34.3				33.1	33.1	32.9	33.3	32.6
<b>18 SA19-9915</b>		34.7				34.2	35.0	33.3	33.2	33.1
<b>19 U19-220018</b>		34.5				32.4	33.4	31.9	33.5	32.8
<b>20 U19-221027</b>		33.7				33.9	33.5	32.8	33.9	32.8
<b>21 U19-604203</b>		35.2				34.6	34.4	33.2	33.7	33.3
<b>22 U19-607156</b>		34.4				34.6	32.6	32.9	33.6	32.6
<b>23 U19-608187</b>		34.5				33.3	33.5	32.2	33.9	32.8

## 2023 SCN UNIFORM III

Oil (%)

SCN HG Type	Ames IA	Urbana IL	Novelty MO	Lincoln NE	Crawfords- ville IA	West Lafayette IN	Manhattan KS	Rock Port MO	Cook NE	Phillips NE
	2.5.7	2.5.7	1.2.5.7	2.5.7	NI	NI	NI	NI	NI	NI
Strain										
<b>1 LD11-2170 (SCN)</b>		20.3				19.6	18.8	20.9	20.3	20.5
<b>2 U15-606207 (SCN)</b>		19.7				19.9	20.5	20.3	20.0	19.9
<b>3 LD07-3395bf (SCN)</b>		19.5				19.9	20.4	20.3	19.7	20.8
<b>4 U14-910097 (SCN)</b>		20.6				20.4	20.5	21.2	20.3	20.9
<b>5 A15208-104</b>		19.6				19.8	19.6	20.4	19.5	20.0
<b>6 A15208-113</b>		19.8				20.4	20.3	21.2	20.1	19.9
<b>7 A16355-142</b>		20.3				20.8	20.9	22.1	20.5	21.1
<b>8 LD18-1767</b>		19.1				19.1	19.8	19.9	19.8	20.0
<b>9 LD18-6596</b>		20.2				18.7	20.8	21.0	20.2	20.5
<b>10 LD18-7628</b>		19.4				19.8	19.3	20.0	20.4	20.2
<b>11 LD19-2650</b>		18.7				18.8	18.5	20.6	19.3	19.5
<b>12 LD19-2693</b>		19.2				18.8	20.1	20.3	19.9	19.9
<b>13 LD20-11526</b>		19.9				19.6	20.7	20.5	20.2	20.5
<b>14 LD20-11552</b>		19.8				19.5	21.0	20.6	19.8	21.1
<b>15 SA19-10016</b>		19.9				19.3	20.8	20.5	20.2	20.0
<b>16 SA19-12541</b>		20.6				20.5	20.7	20.3	21.1	21.0
<b>17 SA19-28597</b>		19.7				19.9	20.1	20.1	20.3	20.6
<b>18 SA19-9915</b>		19.3				19.0	19.3	20.4	20.6	20.5
<b>19 U19-220018</b>		19.9				19.9	20.8	20.1	20.3	19.8
<b>20 U19-221027</b>		20.1				20.5	21.0	20.5	20.4	20.3
<b>21 U19-604203</b>		20.1				19.9	20.3	20.4	20.7	20.2
<b>22 U19-607156</b>		19.6				19.4	21.0	20.8	20.5	21.1
<b>23 U19-608187</b>		19.7				20.1	20.2	21.2	20.1	20.5