

2019 SCN UNIFORM II

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Traits	SCN Resistance source
1 IA2102	WGy	A04-545045 x AgriPro 98180-A01-06131	6	F4		None
2 LD02-4485 (SCN)	PGbf	M90-184111 x IA3010	13	F5		PI 88788
3 U11-917032 (SCN)	PTbl	LD02-4485 x U03-100612	new	F6		PI 88788
4 U14-910097 (SCN)	PGbf	U09-105007 x LD07-3419	1	F5		PI 88788,437654
5 AR17-279009	WGbf	AR09-192019 x AR09-291011	18SCN U I	F4		PI 507354, Peking,88788
6 E15339	WGbf	IA2102 x LD02-4485	1	F5		PI 88788
7 E15345	WGy	IA2102 x LD02-4485	1	F5		PI 88788
8 E15346T	P+WGy	IA2102 x E07051	1	F5	Meal?	PI 88788
9 E15347	WGbf	IA2102 x E07051	1	F5		PI 88788
10 E15349	PGy	IA2102 x E07051	1	F5		PI 88788
11 E15351	WGbf	IA2102 x E07051	1	F5		PI 88788
12 E16265	PGibl	E13902 x E07051	18SCN P IIA	F5		PI 88788
13 E16266	PGibl	E13902 x E07051	18SCN P IIA	F5		PI 88788
14 LD15-1350	WLty+br	WN0902577 x LD08-3994	18SCN P IIA	F5		PI 88788
15 LD15-5170a	PGbf	LD09-10220 x LD12-6623	18SCN P IIB	F5	Rag 1+2	PI 88788
16 LD15-6268	PLt+GM	AR10-205011 x LD10-10226	18SCN P IIA	F5		PI 88788
17 LD15-6280	PMbf+br	AR10-205011 x LD10-10226	18SCN P IIA	F5		PI 88788
18 U14-925152	PGibl	U11-935093 x LD07-3419	2	F5	IDC	PI 88788,437654

2019 SCN UNIFORM II

Entry	IL SCN screening									
	cyst counts			HG 0		cyst counts			HG 2.5.7	
	rep1	rep2	rep3	FI	rating	rep1	rep2	rep3	FI	rating
1 IA2102	22	18	31	11	R	164	217	158	66	NR
2 LD02-4485 (SCN)	38	3	41	12	R	159	168	169	60	NR
3 U11-917032 (SCN)	16	12	19	7	HR	199	206	218	76	NR
4 U14-910097 (SCN)	2	2	1	1	HR	6	3	9	2	HR
5 AR17-279009	15	12	14	6	HR	16	17	26	7	HR
6 E15339	10	7	15	5	HR	201	213	196	74	NR
7 E15345	24	15	19	9	HR	127	224	144	60	NR
8 E15346T	19	14	14	7	HR	29*	151	146	54	LR
9 E15347	28	18	36	12	R	184	192	172	67	NR
10 E15349	13	7	18	6	HR	319	299	276	109	NR
11 E15351	1*	4	21	6	HR	245	204	223	82	NR
12 E16265	12	4	18	5	HR	204	221	215	105	NR
13 E16266	3	2	12	3	HR	331	288	309	113	NR
14 LD15-1350	18	20	37	11	R	209	217	193	75	NR
15 LD15-5170a	17	13	24	8	HR	165	133	146	73	NR
16 LD15-6268	15	12	11	6	HR	380	285	274	114	NR
17 LD15-6280	23	20	27	10	R	163	177	177	63	NR
18 U14-925152	0	0	1	0	HR	1	4	3	1	HR

(\*)=small root, (.)=missing sample, (\*\*)=rep data too variable to rate

2019 SCN UNIFORM II

2019 Summary

Entry	Locations	Yield						Maturity date	Lodging score	Height in.	Seed			
		All		Infested		Non-infested					weight g/100	quality score	protein @13%	oil @13%
		bu/a	rank	bu/a	rank	bu/a	rank							
		<b>4</b>		<b>3*</b>		<b>1</b>		<b>4</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>1 IA2102</b>		<b>51.4</b>	<b>14</b>	51.0	15	53.3	13	9/23	2.0	31	16.4	1.5	34.1	17.9
<b>2 LD02-4485 (SCN)</b>		<b>54.0</b>	<b>10</b>	52.0	13	60.4	3	2	1.2	31	15.7	1.8	33.0	18.1
<b>3 U11-917032 (SCN)</b>		<b>46.4</b>	<b>18</b>	47.4	17	43.9	18	-3	1.1	28	15.4	1.5	32.4	19.5
<b>4 U14-910097 (SCN)</b>		<b>56.8</b>	<b>2</b>	57.1	1	56.6	7	6	1.2	31	15.1	1.5	33.2	18.8
<b>5 AR17-279009</b>		<b>47.6</b>	<b>17</b>	47.0	18	49.7	15	-1	1.1	28	16.4	1.5	34.1	17.9
<b>6 E15339</b>		<b>56.5</b>	<b>4</b>	57.0	2	55.5	10	1	1.9	32	16.1	1.5	33.3	18.6
<b>7 E15345</b>		<b>55.7</b>	<b>6</b>	55.3	5	57.5	6	4	1.5	32	16.5	1.8	33.1	18.0
<b>8 E15346T</b>		<b>51.6</b>	<b>13</b>	50.6	16	55.1	11	2	1.2	30	17.6	1.5	34.1	18.3
<b>9 E15347</b>		<b>52.9</b>	<b>11</b>	52.5	11	54.5	12	1	1.1	30	17.5	1.8	33.4	17.9
<b>10 E15349</b>		<b>54.2</b>	<b>9</b>	53.7	9	56.0	8	2	1.4	33	16.7	1.5	34.8	17.7
<b>11 E15351</b>		<b>55.2</b>	<b>8</b>	54.3	7	58.5	5	3	1.2	31	17.2	2.0	33.8	17.8
<b>12 E16265</b>		<b>52.2</b>	<b>12</b>	53.4	10	49.3	16	4	1.0	32	19.0	1.8	36.3	17.3
<b>13 E16266</b>		<b>51.3</b>	<b>16</b>	51.4	14	51.7	14	2	1.0	30	19.1	1.5	35.5	17.4
<b>14 LD15-1350</b>		<b>51.4</b>	<b>15</b>	52.3	12	49.3	16	-1	1.1	30	15.7	1.5	34.1	18.7
<b>15 LD15-5170a</b>		<b>58.2</b>	<b>1</b>	56.5	4	63.8	1	4	1.3	32	16.7	1.3	35.2	17.4
<b>16 LD15-6268</b>		<b>55.2</b>	<b>7</b>	54.3	7	58.6	4	3	1.1	32	17.1	1.5	36.1	16.8
<b>17 LD15-6280</b>		<b>56.6</b>	<b>3</b>	54.9	6	62.1	2	3	1.0	31	16.8	1.5	34.9	18.3
<b>18 U14-925152</b>		<b>56.5</b>	<b>4</b>	56.8	3	55.9	9	3	1.0	29	15.2	1.5	33.9	19.2
Mean		<b>53.5</b>		53.2		55.1			1.2	31	16.7	1.6	34.2	18.1
LSD(.05)		<b>3.2</b>		3.9		4.3								
C.V. %		<b>7.3</b>		7.8		4.5								
Replications		<b>9</b>		7		2								

\*Bellwood, NE yield data not included in means

2019 SCN UNIFORM II

2 Year Summary

Entry	Locations	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%
		<b>16</b>		13		3		14	17	16	15	15	16	16
<b>1 IA2102</b>		<b>58.3</b>	<b>8</b>	57.8	6	60.4	9	9/21	2.0	34	16.1	1.6	34.3	17.8
<b>2 LD02-4485 (SCN)</b>		<b>60.5</b>	<b>4</b>	58.6	4	68.6	3	1	1.7	34	14.8	1.7	32.5	18.4
<b>4 U14-910097 (SCN)</b>		<b>65.9</b>	<b>1</b>	64.8	1	70.8	1	6	1.9	33	15.1	1.3	33.0	19.0
<b>6 E15339</b>		<b>59.1</b>	<b>6</b>	57.9	5	64.1	7	2	2.1	34	15.7	1.8	33.3	18.8
<b>7 E15345</b>		<b>60.2</b>	<b>5</b>	59.1	3	64.8	4	4	2.0	35	15.4	1.7	33.2	18.2
<b>8 E15346T</b>		<b>57.8</b>	<b>10</b>	56.3	9	64.2	6	0	1.6	33	17.3	1.7	34.2	18.5
<b>9 E15347</b>		<b>58.3</b>	<b>8</b>	57.3	7	62.5	8	1	1.3	33	16.8	1.6	33.8	17.8
<b>10 E15349</b>		<b>58.7</b>	<b>7</b>	57.3	7	64.7	5	1	1.7	34	16.0	1.4	34.6	17.9
<b>11 E15351</b>		<b>62.3</b>	<b>3</b>	60.6	2	69.8	2	0	1.5	33	16.8	2.1	34.0	17.8
<b>18 U14-925152</b>		<b>63.4</b>	<b>2</b>	62.5	2	67.5	4	4	1.4	33.4	5.3	10.9	33.9	18.9

## 2019 SCN UNIFORM II

SCN HG Type	Yield (bu/a)				
	Pontiac	Urbana	Decatur	Bellwood	West Lafayette
	IL	IL	MI	NE	IN
	2.5.7	2.5.7	Inf	2.5.7	NI
Strain					
<b>1 IA2102</b>	63.8	47.6	41.6	44.0	53.3
<b>2 LD02-4485 (SCN)</b>	65.6	50.7	39.9	51.4	60.4
<b>3 U11-917032 (SCN)</b>	61.7	42.9	37.6	35.8	43.9
<b>4 U14-910097 (SCN)</b>	64.5	58.8	48.0	55.2	56.6
<b>5 AR17-279009</b>	62.6	38.5	40.0	45.7	49.7
<b>6 E15339</b>	70.9	51.2	48.9	38.9	55.5
<b>7 E15345</b>	69.8	53.3	42.9	57.8	57.5
<b>8 E15346T</b>	60.8	47.8	43.3	36.8	55.1
<b>9 E15347</b>	61.4	50.4	45.8	56.8	54.5
<b>10 E15349</b>	63.1	51.5	46.5	50.7	56.0
<b>11 E15351</b>	67.8	50.3	44.8	46.4	58.5
<b>12 E16265</b>	67.5	51.5	41.1	47.3	49.3
<b>13 E16266</b>	61.2	52.0	41.0	55.5	51.7
<b>14 LD15-1350</b>	61.7	49.2	45.9	50.2	49.3
<b>15 LD15-5170a</b>	65.7	62.2	41.5	43.3	63.8
<b>16 LD15-6268</b>	62.9	57.0	43.0	66.7	58.6
<b>17 LD15-6280</b>	64.6	56.2	44.1	52.5	62.1
<b>18 U14-925152</b>	69.6	53.4	47.4	45.6	55.9
<b>Average</b>	64.7	51.4	43.5	48.9	55.1
<b>LSD(2-sided,.05)</b>	11.4	7.2	6.9	16.7	4.3
<b>C.V. %</b>	8.4	6.7	8.0	17.2	4.5
<b>Replications</b>	2	2	3	2	2
<b>Row spacing (in.)</b>	30	30	30	30	30

## 2019 SCN UNIFORM II

SCN HG Type	Yield (rank)				
	Pontiac	Urbana	Decatur	Bellwood	West Lafayette
	IL 2.5.7	IL 2.5.7	MI Inf	NE 2.5.7	IN NI
Strain					
<b>1 IA2102</b>	10	16	12	14	13
<b>2 LD02-4485 (SCN)</b>	7	11	17	7	3
<b>3 U11-917032 (SCN)</b>	14	17	18	18	18
<b>4 U14-910097 (SCN)</b>	9	2	2	5	7
<b>5 AR17-279009</b>	13	18	16	12	15
<b>6 E15339</b>	1	10	1	16	10
<b>7 E15345</b>	2	6	11	2	6
<b>8 E15346T</b>	18	15	9	17	11
<b>9 E15347</b>	16	12	6	3	12
<b>10 E15349</b>	11	8	4	8	8
<b>11 E15351</b>	4	13	7	11	5
<b>12 E16265</b>	5	8	14	10	16
<b>13 E16266</b>	17	7	15	4	14
<b>14 LD15-1350</b>	14	14	5	9	16
<b>15 LD15-5170a</b>	6	1	13	15	1
<b>16 LD15-6268</b>	12	3	10	1	4
<b>17 LD15-6280</b>	8	4	8	6	2
<b>18 U14-925152</b>	3	5	3	13	9

## 2019 SCN UNIFORM II

## Maturity

SCN HG Type	West				
	Pontiac	Urbana	Decatur	Bellwood	Lafayette
	IL	IL	MI	NE	IN
	2.5.7	2.5.7	Inf	2.5.7	NI
Strain					
1 IA2102	9/25	9/22		9/17	9/27
2 LD02-4485 (SCN)	2	2		1	3
3 U11-917032 (SCN)	-3	-4		-2	-3
4 U14-910097 (SCN)	7	6		2	8
5 AR17-279009	-2	0		1	-2
6 E15339	2	0		0	0
7 E15345	3	4		1	6
8 E15346T	2	0		-1	5
9 E15347	-1	0		1	3
10 E15349	1	0		1	6
11 E15351	3	2		1	5
12 E16265	4	4		1	7
13 E16266	2	2		-1	5
14 LD15-1350	-1	0		-1	-1
15 LD15-5170a	4	6		1	5
16 LD15-6268	2	4		2	3
17 LD15-6280	4	0		-1	8
18 U14-925152	4	2		1	6
Planted	6/7	6/5	5/11	5/15	6/5

## 2019 SCN UNIFORM II

## Lodging (score)

SCN HG Type	West				
	Pontiac	Urbana	Decatur	Bellwood	Lafayette
	IL	IL	MI	NE	IN
	2.5.7	2.5.7	Inf	2.5.7	NI
Strain					
<b>1 IA2102</b>	3.0	1.5	2.3	2.0	1.0
<b>2 LD02-4485 (SCN)</b>	1.8	1.0	1.3	1.0	1.0
<b>3 U11-917032 (SCN)</b>	1.5	1.0	1.0	1.0	1.0
<b>4 U14-910097 (SCN)</b>	1.8	1.0	1.0	1.0	1.0
<b>5 AR17-279009</b>	1.5	1.0	1.0	1.0	1.0
<b>6 E15339</b>	2.0	2.0	3.0	1.5	1.0
<b>7 E15345</b>	2.0	1.0	1.7	2.0	1.0
<b>8 E15346T</b>	1.8	1.0	1.3	1.0	1.0
<b>9 E15347</b>	1.0	1.0	1.3	1.0	1.0
<b>10 E15349</b>	2.3	1.5	1.3	1.0	1.0
<b>11 E15351</b>	1.8	1.0	1.0	1.0	1.0
<b>12 E16265</b>	1.0	1.0	1.0	1.0	1.0
<b>13 E16266</b>	1.0	1.0	1.0	1.0	1.0
<b>14 LD15-1350</b>	1.0	1.0	1.3	1.0	1.0
<b>15 LD15-5170a</b>	1.3	1.0	1.7	1.5	1.0
<b>16 LD15-6268</b>	1.5	1.0	1.0	1.0	1.0
<b>17 LD15-6280</b>	1.0	1.0	1.0	1.0	1.0
<b>18 U14-925152</b>	1.0	1.0	1.0	1.0	1.0



2019 SCN UNIFORM II

Height (inches)

SCN HG Type	West				
	Pontiac	Urbana	Decatur	Bellwood	Lafayette
	IL	IL	MI	NE	IN
	2.5.7	2.5.7	Inf	2.5.7	NI
Strain					
<b>1 IA2102</b>	35	32	32		27
<b>2 LD02-4485 (SCN)</b>	34	28	32		29
<b>3 U11-917032 (SCN)</b>	31	26	27		29
<b>4 U14-910097 (SCN)</b>	35	29	31		29
<b>5 AR17-279009</b>	30	28	30		25
<b>6 E15339</b>	34	29	34		30
<b>7 E15345</b>	35	32	32		31
<b>8 E15346T</b>	34	28	32		26
<b>9 E15347</b>	32	30	32		27
<b>10 E15349</b>	36	32	35		29
<b>11 E15351</b>	36	31	30		28
<b>12 E16265</b>	34	30	32		31
<b>13 E16266</b>	33	28	31		29
<b>14 LD15-1350</b>	34	26	32		30
<b>15 LD15-5170a</b>	35	31	33		28
<b>16 LD15-6268</b>	36	30	33		31
<b>17 LD15-6280</b>	34	29	33		29
<b>18 U14-925152</b>	32	28	31		25

2019 SCN UNIFORM II

Seed Weight (g/100)

SCN HG Type	West				
	Pontiac	Urbana	Decatur	Bellwood	Lafayette
	IL	IL	MI	NE	IN
	2.5.7	2.5.7	Inf	2.5.7	NI
Strain					
<b>1 IA2102</b>	18.1	15.6		13.8	18.0
<b>2 LD02-4485 (SCN)</b>	17.2	16.3		12.4	17.0
<b>3 U11-917032 (SCN)</b>	17.0	14.7		14.4	15.6
<b>4 U14-910097 (SCN)</b>	16.6	15.1		12.2	16.5
<b>5 AR17-279009</b>	17.3	15.8		14.0	18.4
<b>6 E15339</b>	17.7	15.8		13.6	17.2
<b>7 E15345</b>	17.4	16.7		13.9	17.9
<b>8 E15346T</b>	19.1	17.4		14.3	19.6
<b>9 E15347</b>	19.0	16.3		14.9	20.0
<b>10 E15349</b>	17.3	16.3		14.2	19.0
<b>11 E15351</b>	18.1	16.3		14.6	19.9
<b>12 E16265</b>	20.6	18.9		15.3	21.2
<b>13 E16266</b>	20.2	18.8		16.9	20.4
<b>14 LD15-1350</b>	16.0	15.7		13.9	17.2
<b>15 LD15-5170a</b>	16.9	18.6		12.5	19.1
<b>16 LD15-6268</b>	18.1	17.3		14.5	18.7
<b>17 LD15-6280</b>	17.6	16.9		13.7	19.0
<b>18 U14-925152</b>	15.8	15.3		12.5	17.3

## 2019 SCN UNIFORM II

## Seed Quality (score)

SCN HG Type	West				
	Pontiac	Urbana	Decatur	Bellwood	Lafayette
	IL	IL	MI	NE	IN
	2.5.7	2.5.7	Inf	2.5.7	NI
Strain					
<b>1 IA2102</b>	2.0	2.0		1.0	1.0
<b>2 LD02-4485 (SCN)</b>	2.0	3.0		1.0	1.0
<b>3 U11-917032 (SCN)</b>	2.0	2.0		1.0	1.0
<b>4 U14-910097 (SCN)</b>	2.0	2.0		1.0	1.0
<b>5 AR17-279009</b>	2.0	2.0		1.0	1.0
<b>6 E15339</b>	2.0	2.0		1.0	1.0
<b>7 E15345</b>	3.0	2.0		1.0	1.0
<b>8 E15346T</b>	2.0	2.0		1.0	1.0
<b>9 E15347</b>	2.0	3.0		1.0	1.0
<b>10 E15349</b>	2.0	2.0		1.0	1.0
<b>11 E15351</b>	3.0	3.0		1.0	1.0
<b>12 E16265</b>	2.0	3.0		1.0	1.0
<b>13 E16266</b>	2.0	2.0		1.0	1.0
<b>14 LD15-1350</b>	2.0	2.0		1.0	1.0
<b>15 LD15-5170a</b>	1.0	2.0		1.0	1.0
<b>16 LD15-6268</b>	2.0	2.0		1.0	1.0
<b>17 LD15-6280</b>	2.0	2.0		1.0	1.0
<b>18 U14-925152</b>	2.0	2.0		1.0	1.0

2019 SCN UNIFORM II

Protein (%)

SCN HG Type	Pontiac	Urbana	Decatur	Bellwood	West Lafayette
	IL	IL	MI	NE	IN
Strain	2.5.7	2.5.7	Inf	2.5.7	NI
<b>1 IA2102</b>	33.6	33.2		35.2	34.4
<b>2 LD02-4485 (SCN)</b>	32.6	33.1		33.0	33.3
<b>3 U11-917032 (SCN)</b>	32.8	32.4		32.3	32.1
<b>4 U14-910097 (SCN)</b>	32.7	33.6		32.7	33.8
<b>5 AR17-279009</b>	33.1	34.3		34.4	34.4
<b>6 E15339</b>	32.7	33.8		34.5	32.1
<b>7 E15345</b>	32.8	32.3		33.4	34.0
<b>8 E15346T</b>	34.4	33.7		33.6	34.8
<b>9 E15347</b>	32.4	33.2		33.9	34.1
<b>10 E15349</b>	34.1	34.5		34.7	35.8
<b>11 E15351</b>	33.7	33.7		33.7	34.1
<b>12 E16265</b>	34.8	36.7		36.3	37.2
<b>13 E16266</b>	35.4	35.2		36.2	35.1
<b>14 LD15-1350</b>	33.3	34.5		33.7	34.8
<b>15 LD15-5170a</b>	34.7	35.7		35.1	35.4
<b>16 LD15-6268</b>	35.5	36.4		35.7	36.8
<b>17 LD15-6280</b>	34.6	35.0		34.8	35.4
<b>18 U14-925152</b>	32.5	34.8		34.6	33.6

## 2019 SCN UNIFORM II

## Oil (%)

SCN HG Type	Pontiac	Urbana	Decatur	Bellwood	West Lafayette
	IL	IL	MI	NE	IN
Strain	2.5.7	2.5.7	Inf	2.5.7	NI
<b>1 IA2102</b>	17.6	18.7		17.5	17.6
<b>2 LD02-4485 (SCN)</b>	18.0	18.4		18.2	17.8
<b>3 U11-917032 (SCN)</b>	18.9	19.6		19.6	19.8
<b>4 U14-910097 (SCN)</b>	19.1	19.2		17.7	19.0
<b>5 AR17-279009</b>	18.0	18.1		17.6	17.7
<b>6 E15339</b>	18.5	18.6		18.3	19.1
<b>7 E15345</b>	17.5	18.7		17.4	18.3
<b>8 E15346T</b>	18.1	18.8		18.1	18.2
<b>9 E15347</b>	17.9	18.4		17.5	17.7
<b>10 E15349</b>	18.1	18.1		17.1	17.5
<b>11 E15351</b>	17.6	18.5		17.6	17.6
<b>12 E16265</b>	17.4	17.3		17.5	17.1
<b>13 E16266</b>	17.2	17.8		16.6	18.1
<b>14 LD15-1350</b>	18.5	18.9		19.0	18.5
<b>15 LD15-5170a</b>	17.3	17.4		17.2	17.9
<b>16 LD15-6268</b>	16.7	17.3		16.1	17.0
<b>17 LD15-6280</b>	18.3	18.5		17.9	18.5
<b>18 U14-925152</b>	19.4	18.8		18.9	19.6