

2020 SCN UNIFORM II

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Traits	SCN Resistance source
1 IA2102	WGy	A04-545045 x AgriPro 98180-A01-06131	7	F4		None
2 LD02-4485 (SCN)	PGbf	M90-184111 x IA3010	14	F5		PI 88788
3 U11-917032 (SCN)	PTbl	LD02-4485 x U03-100612	1	F6		PI 88788
4 U14-910097 (SCN)	PGbf	U09-105007 x LD07-3419	2	F5		PI 88788,437654
5 E15339	WGbf	IA2102 x LD02-4485	2	F5		PI 88788
6 E15345	WGy	IA2102 x LD02-4485	2	F5		PI 88788
7 E15351	WGbf	IA2102 x E07051	2	F5		PI 88788
8 E17069	WGy	IA2102 x E06240	19SCN P II	F5		PI 88788
9 E17203	PGbf	E11128T x LD02-4485	19SCN P II	F5		PI 88788
10 E17269	WGbf	E13367 x AR09-191018	19SCN P II	F5	Aphid, Rps1	PI 88788
11 E17283	P+WGibl/bf	E13367 x E05181-T	19SCN P II	F5	Aphid, Rps1	PI 88788
12 LD15-5170a	PGbf	LD09-10220 x LD12-6623	1	F5	Rag 1+2	PI 88788
13 LD15-6268	PLt+GM	AR10-205011 x LD10-10226	1	F5		PI 88788
14 LD15-6280	PLt+Gbf+br	AR10-205011 x LD10-10226	1	F5		PI 88788
15 LD16-4766a	PGbf	AR10-205011 x LD09-30224	19SCN P II	F5	Rag 1	PI 88788
16 LD16-4852	PGibl	LD09-30015 x LD09-30224	19SCN P II	F5		PI 88788
17 LD16-6557	P+WGbf	LD07-3419 x AR10-205011	19SCN P II	F5		PI 88788,437654
18 U14-925152	PGibl	U11-935093 x LD07-3419	2	F5	IDC	PI 88788,437654

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Entry	IL SCN screening										NE
	cyst counts			HG 0		cyst counts			HG 2.5.7		Gall Midge
	rep1	rep2	rep3	FI	rating	rep1	rep2	rep3	FI	rating	score
1 IA2102	55	48	42	33	MR	152	146	159	73	NR	5.0
2 LD02-4485 (SCN)	12	16	12	9	HR	142	97	81	72	NR	1.5
3 U11-917032 (SCN)	16	12	9	11	R	101	104	118	73	NR	2.0
4 U14-910097 (SCN)	4	1	4	2	HR	3	6	2	2	HR	1.0
5 E15339	26	18	25	15	R	103	119	117	76	NR	4.0
6 E15345	32	26	25	19	R	103	99	111	70	NR	3.0
7 E15351	50	38	55	32	MR	162	149	154	105	NR	2.5
8 E17069	17	11	12	9	HR	92	107	106	69	NR	4.5
9 E17203	6	16	10	7	HR	62	55	57	39	MR	2.5
10 E17269	59	44	42	33	MR	79	84	62	51	LR	2.0
11 E17283	40	13	17	16	R	171	91	159	95	NR	2.0
12 LD15-5170a	14	16	13	12	R	72	63	66	45	LR	1.5
13 LD15-6268	34	39	25	22	R	176	98	151	96	NR	4.0
14 LD15-6280	24	28	30	18	R	111	96	96	68	NR	4.0
15 LD16-4766a	15	19	8	9	HR	89	78	76	55	LR	1.0
16 LD16-4852	15	10	16	9	HR	91	104	78	61	LR	1.0
17 LD16-6557	28	23	21	16	R	57	71	69	44	LR	1.0
18 U14-925152	6	8	3	4	HR	1	7	1	2	HR	0.0

Ave of 2 reps.
 1-9 visual scale.
 1=10% infection
 2=20% infection
 Etc.

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

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2 Year Summary

Entry	Yield						Maturity date	Lodging score	Height in.	Seed			
	All		Infested		Non-infested					weight	quality	protein	oil
	bu/a	rank	bu/a	rank	bu/a	rank				g/100	score	@13%	@13%
Locations	9		7		2		8	10	8	8	8	7	7
1 IA2102	49.8	10	49.1	9	55.6	10	9/20	2.2	34	15.1	1.5	33.4	18.9
2 LD02-4485 (SCN)	55.5	4	54.0	4	64.5	2	2	1.4	34	14.5	1.5	32.4	18.8
3 U11-917032 (SCN)	48.5	11	48.4	11	52.3	11	-4	1.2	30	14.6	1.4	32.4	20.3
4 U14-910097 (SCN)	58.6	2	58.0	2	63.8	3	7	1.6	32	14.1	1.4	32.3	19.7
5 E15339	53.7	7	52.3	7	61.9	6	1	2.0	34	15.1	1.5	32.8	19.3
6 E15345	52.1	8	51.3	8	58.3	9	5	1.6	34	15.2	1.6	32.6	19.0
7 E15351	53.8	6	52.7	5	60.9	7	2	1.2	33	15.8	1.6	33.0	19.0
12 LD15-5170a	56.2	3	54.2	3	66.6	1	5	1.5	34	15.6	1.3	34.0	18.4
13 LD15-6268	50.5	9	48.9	10	59.6	8	2	1.1	34	16.1	1.4	35.5	17.7
14 LD15-6280	53.9	5	52.6	6	62.0	5	3	1.1	33	15.8	1.4	34.5	19.2
18 U14-925152	59.0	1	58.6	1	63.6	4	5	1.2	32	14.4	1.4	33.3	19.8
Mean	53.8		52.7		60.8		2.9	1.4	33.2	15.1	1.4	33.3	19.1

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SCN HG Type	Yield (bu/a)				
	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette IN
Strain	2.5.7	Inf	2.5.7	2.5.7	NI
1 IA2102	52.0	32.5	40.5	66.0	58.0
2 LD02-4485 (SCN)	56.8	38.2	58.9	67.7	68.6
3 U11-917032 (SCN)	47.4	28.5	52.6	68.3	60.8
4 U14-910097 (SCN)	60.8	38.3	68.8	67.3	71.1
5 E15339	53.6	33.0	41.9	67.0	68.2
6 E15345	55.8	26.9	41.3	69.0	59.1
7 E15351	52.0	35.9	51.6	66.8	63.3
8 E17069	56.6	35.2	38.2	59.5	66.4
9 E17203	53.7	33.6	61.8	67.7	69.7
10 E17269	54.4	34.8	63.9	68.1	57.6
11 E17283	45.8	32.3	49.8	60.8	70.2
12 LD15-5170a	52.9	34.6	60.2	62.4	69.4
13 LD15-6268	53.8	35.6	30.6	59.4	60.5
14 LD15-6280	56.6	37.3	41.7	67.9	61.8
15 LD16-4766a	54.6	42.7	64.0	62.1	61.9
16 LD16-4852	55.0	40.9	56.7	64.9	64.8
17 LD16-6557	54.2	30.3	55.7	62.9	61.2
18 U14-925152	63.2	43.0	66.3	67.4	71.3
Average	54.4	35.2	52.5	65.3	64.7
LSD(2-sided,.05)	8.9	8.0	11.0	10.6	11.7
C.V. %	7.8	11.4	8.5	6.6	10.4
Replications	2	3	2	2	2
Row spacing (in.)	30	30	30	30	30

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SCN HG Type	Yield (rank)				
	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	15	14	16	11	17
2 LD02-4485 (SCN)	3	5	7	6	6
3 U11-917032 (SCN)	17	17	10	2	14
4 U14-910097 (SCN)	2	4	1	8	2
5 E15339	13	13	13	9	7
6 E15345	6	18	15	1	16
7 E15351	15	7	11	10	10
8 E17069	4	9	17	17	8
9 E17203	12	12	5	5	4
10 E17269	9	10	4	3	18
11 E17283	18	15	12	16	3
12 LD15-5170a	14	11	6	14	5
13 LD15-6268	11	8	18	18	15
14 LD15-6280	4	6	14	4	12
15 LD16-4766a	8	2	3	15	11
16 LD16-4852	7	3	8	12	9
17 LD16-6557	10	16	9	13	13
18 U14-925152	1	1	2	7	1

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Maturity					
SCN HG Type	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	9/19		9/25	9/07	9/19
2 LD02-4485 (SCN)	1		4	0	1
3 U11-917032 (SCN)	-8		-5	-2	-4
4 U14-910097 (SCN)	11		9	5	10
5 E15339	2		1	3	2
6 E15345	5		8	7	5
7 E15351	-2		1	3	0
8 E17069	10		6	8	9
9 E17203	2		5	3	1
10 E17269	-2		4	2	2
11 E17283	4		8	10	9
12 LD15-5170a	9		4	6	8
13 LD15-6268	0		1	3	5
14 LD15-6280	4		2	5	5
15 LD16-4766a	2		5	5	6
16 LD16-4852	5		5	6	8
17 LD16-6557	6		9	6	9
18 U14-925152	10		6	7	7
Planted	6/03	5/03	6/09	5/20	6/02

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Lodging (score)

SCN HG Type	West				
	Pontiac	Decatur	Lincoln	Mead	Lafayette
	IL	MI	NE	NE	IN
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	3.0	1.0	3.5	2.5	2.0
2 LD02-4485 (SCN)	2.0	1.0	1.5	2.0	1.5
3 U11-917032 (SCN)	2.3	1.0	1.0	1.0	1.5
4 U14-910097 (SCN)	3.5	1.0	2.0	1.5	2.0
5 E15339	2.8	1.3	2.5	2.5	1.5
6 E15345	3.0	1.0	2.0	1.3	1.0
7 E15351	1.3	1.0	1.5	1.0	1.0
8 E17069	3.5	1.7	3.0	1.0	2.0
9 E17203	1.8	1.0	1.0	1.0	1.0
10 E17269	1.5	1.0	1.0	1.0	1.5
11 E17283	1.0	1.0	1.0	1.0	1.5
12 LD15-5170a	2.8	1.0	1.5	1.0	2.0
13 LD15-6268	1.5	1.0	1.0	1.0	1.0
14 LD15-6280	1.5	1.0	1.0	1.0	1.0
15 LD16-4766a	1.8	1.0	1.5	1.0	1.0
16 LD16-4852	1.5	1.0	1.5	1.0	1.0
17 LD16-6557	1.3	1.0	1.0	1.0	1.0
18 U14-925152	1.8	1.0	1.5	1.0	1.5

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SCN HG Type	Height (inches)				
	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette IN
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	39		34	39	36
2 LD02-4485 (SCN)	37		34	42	38
3 U11-917032 (SCN)	32		30	37	31
4 U14-910097 (SCN)	35		31	37	35
5 E15339	37		34	41	37
6 E15345	37		34	38	35
7 E15351	38		32	38	37
8 E17069	45		34	46	41
9 E17203	35		33	37	36
10 E17269	38		28	37	34
11 E17283	34		27	37	34
12 LD15-5170a	40		31	40	37
13 LD15-6268	37		31	40	32
14 LD15-6280	35		32	38	33
15 LD16-4766a	35		28	36	33
16 LD16-4852	37		33	39	34
17 LD16-6557	33		29	36	31
18 U14-925152	36		33	38	35

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SCN HG Type	Seed Weight (g/100)				
	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	13.2		15.5	12.9	14.1
2 LD02-4485 (SCN)	13.2		14.1	12.1	14.1
3 U11-917032 (SCN)	12.6		15.3	13.2	14.4
4 U14-910097 (SCN)	13.3		13.7	11.2	14.4
5 E15339	14.2		14.1	12.4	15.9
6 E15345	13.5		14.4	12.4	15.5
7 E15351	13.1		15.3	13.4	16.0
8 E17069	16.5		17.6	14.0	17.0
9 E17203	13.6		15.7	12.9	14.8
10 E17269	12.5		14.9	12.3	13.9
11 E17283	15.8		18.9	14.5	18.4
12 LD15-5170a	14.5		15.2	12.3	15.9
13 LD15-6268	15.2		16.1	12.6	16.5
14 LD15-6280	14.7		15.9	13.3	15.5
15 LD16-4766a	14.9		16.5	14.0	16.8
16 LD16-4852	12.8		13.9	12.1	15.1
17 LD16-6557	14.6		16.7	13.4	16.1
18 U14-925152	13.5		14.8	11.8	14.5

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Seed Quality (score)

SCN HG Type	West				
	Pontiac	Decatur	Lincoln	Mead	Lafayette
	IL	MI	NE	NE	IN
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	3.0		1.0	1.0	1.0
2 LD02-4485 (SCN)	2.0		1.0	1.0	1.0
3 U11-917032 (SCN)	2.0		1.0	1.0	1.5
4 U14-910097 (SCN)	2.0		1.0	1.0	1.0
5 E15339	3.0		1.0	1.0	1.0
6 E15345	3.0		1.0	1.0	1.0
7 E15351	2.0		1.0	1.0	1.0
8 E17069	2.0		1.0	1.0	1.0
9 E17203	3.0		1.0	1.0	1.0
10 E17269	2.0		1.0	1.0	1.0
11 E17283	3.0		1.0	1.0	1.0
12 LD15-5170a	2.0		1.0	1.0	1.0
13 LD15-6268	2.0		1.0	1.0	1.0
14 LD15-6280	2.0		1.0	1.0	1.0
15 LD16-4766a	2.0		1.0	1.0	1.5
16 LD16-4852	2.0		1.0	1.0	1.5
17 LD16-6557	2.0		1.0	1.0	1.5
18 U14-925152	2.0		1.0	1.0	1.0

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SCN HG Type	Protein (%)				
	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette IN
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	33.1		32.7		31.3
2 LD02-4485 (SCN)	31.6		30.9		32.7
3 U11-917032 (SCN)	34.0		30.2		33.2
4 U14-910097 (SCN)	30.0		32.1		31.4
5 E15339	30.6		32.2		33.4
6 E15345	32.2		31.3		32.2
7 E15351	32.0		31.6		31.9
8 E17069	33.7		35.1		33.0
9 E17203	32.8		32.4		32.9
10 E17269	31.1		32.5		31.9
11 E17283	32.5		34.2		34.2
12 LD15-5170a	31.4		32.9		32.8
13 LD15-6268	34.2		35.0		35.0
14 LD15-6280	33.2		35.0		33.6
15 LD16-4766a	32.6		33.1		33.3
16 LD16-4852	30.0		30.9		32.5
17 LD16-6557	31.4		32.9		33.6
18 U14-925152	32.0		32.7		32.6

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SCN HG Type	Oil (%)				
	Pontiac	Decatur	Lincoln	Mead	West
	IL	MI	NE	NE	Lafayette IN
	2.5.7	Inf	2.5.7	2.5.7	NI
Strain					
1 IA2102	19.9		20.0		21.2
2 LD02-4485 (SCN)	20.1		19.5		19.4
3 U11-917032 (SCN)	20.8		22.1		21.2
4 U14-910097 (SCN)	21.2		20.8		20.7
5 E15339	21.0		19.8		19.9
6 E15345	20.8		19.9		20.3
7 E15351	20.3		20.8		20.3
8 E17069	19.8		20.3		20.3
9 E17203	20.4		20.2		20.3
10 E17269	20.6		18.8		20.3
11 E17283	20.2		18.7		19.7
12 LD15-5170a	20.1		19.5		19.7
13 LD15-6268	19.8		18.5		18.9
14 LD15-6280	21.2		19.0		20.7
15 LD16-4766a	20.4		19.3		20.4
16 LD16-4852	20.7		20.7		20.2
17 LD16-6557	20.6		20.2		19.7
18 U14-925152	20.6		20.3		21.2