

2023 SCN UNIFORM II

Strain	FPhIm	Parentage	Previous testing	Gen. Comp.	Cooperator reported Traits	Cooperator reported SCN Resistance source
1 IA2102	WGy	A04-545045 x AgriPro 98180-A01-06131	10	F4		None
2 LD02-4485 (SCN)	PGbf	M90-184111 x IA3010	17	F5		Rhg1_Pi88788
3 U11-917032 (SCN)	PTbl	LD02-4485 x U03-100612	4	F6		Rhg1_Pi88788
4 U14-910097 (SCN)	PGbf	U09-105007 x LD07-3419	5	F5		Rhg1-Peking+Rhg4
5 A15208-17	WLT+Gbl/bf	(AR12-127102/AR12-327073) x LD07-3419	1	F5		PI 88788, PI 437654, PI 507354
6 E20026	PGy/bf	E15901 x E13100	22SCN P IIA	F5		Rhg1_Pi88788
7 E20099	PLt+Gbl/ibl	E14077 x AR09-191018	22SCN U I	F5		PI88788 + Peking
8 E20329	PLt+Gbr/bf	LD02-4485 x E14077	22SCN P IIA	F5		Rhg1_Pi88788, Het-Rhg4
9 E20333	PTbl	LD02-4485 x E14077	22SCN P IIA	F5		Rhg1_Pi88788
10 E20335	PGbf/ibl	LD02-4485 x E14077	22SCN P IIA	F5		Rhg1_Pi88788
11 E20351	PGibl	LD10-10198 x E14077	22SCN P IIA	F5		Rhg1_Pi88788, Het-Rhg4
12 E20352	PLt+Gbl/ibl	LD10-10198 x E14077	22SCN P IIA	F5		Rhg1_Pi88788
13 E20355	PGgr	LD10-10198 x E14077	22SCN P IIA	F5		Rhg1_Pi88788
14 LD17-2558	PGibl	U11-614119 x LD09-30224	2	F5		Rhg1_Pi88788
15 LD18-4231	P+WLTbl/gr	U11-932025 x LD10-10198	1	F5		Rhg1_Pi88788
16 LD18-4406	WLTy	U11-614119 x M08-362051	1	F5	SCN	Rhg1_Pi88788
17 LD18-5062	PLtbl	LD10-5213a x U11-911079	1	F5	SCN	Rhg1_Pi88788
18 LD19-1844	PLtLbl	U14-925152 x LD11-2170	22SCN P IIB	F5		Rhg1_Pi88788
19 LD19-5726	PLtbr	LD12-6010a x LD11-2170	22SCN P IIB	F5		Rhg1_Pi88788
20 LD19-7145	PLtbr	LD12-459 x LD11-2170	22 PT IIB	F5		Rhg1_Pi88788
21 LD19-7165	PLtbl	LD12-459 x LD11-2170	22 PT IIB	F5		Rhg1_Pi88788
22 LD20-4988	PLtbr	U14-910097 x LD11-2170	22SCN P IIB	F4		Rhg1_Peking
23 LD20-5050	PGibl	U14-925152 x LD11-2170	22SCN P IIB	F4		Rhg1_Pi88788+Rhg4
24 U19-049031	PGibl	LD12-459 x U14-910097	22SCN P IIB	F5	Rps	Rhg1_Peking+Rhg4
25 U19-218023	PGbf	U14-910097 x U14-909100	22SCN P IIB	F5	Rps	Rhg1_Peking
26 U19-220046	PGbf	U14-910097 x U14-909100	22SCN P IIB	F5	Rps	Het-Rhg1 PI 88788
27 U19-602215	PLtbr	U14-910097 x LD11-2170	1	F5		Het Rhg1-Pi88788
28 U19-618131	PLtbr	U14-910097 x LD11-2170	1	F5	Rps	Rhg4, Het Rhg1-Peking
29 U19-618247	PLtbr	U14-903100 x U14-924158	1	F5		Rhg4, Het Rhg1-Peking
30 U19-923124	PGbf	U14-910097 x LD11-2170	1	F5	Rps	Rhg1-Peking+Rhg4
31 U19-924091	PLtbr	U14-910097 x LD11-2170	1	F5	Rps	Het Rhg1-Pi88788
32 U19-926126	PLtbr	U14-910097 x U14-924158	1	F5	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 IA2102	no data						R	S	S	S
2 LD02-4485 (SCN)	6	HR					R	S	S	S
3 U11-917032 (SCN)	23	**					Het	S	S	S
4 U14-910097 (SCN)	3	HR	0	HR	19	R	S	R	R	S
5 A15208-17	4	HR	7	HR	28	**	S	R	R	S
6 E20026	34	**					R	S	S	S
7 E20099	8	HR	20	**			Het	Het	R	S
8 E20329	14	R					R	S	Het	S
9 E20333	7	HR					R	S	S	S
10 E20335	7	HR					R	S	S	S
11 E20351	8	HR					R	S	Het	S
12 E20352	5	HR					R	S	-	S
13 E20355	7	HR					R	S	S	S
14 LD17-2558	4	HR	94	NR			R	S	S	S
15 LD18-4231	8	HR	88	NR			R	S	S	S
16 LD18-4406	8	HR	98	NR			R	S	S	S
17 LD18-5062	12	R	83	NR			R	S	S	S
18 LD19-1844	12	R					R	S	S	S
19 LD19-5726	16	R					R	S	S	S
20 LD19-7145	7	HR	87	NR	77	NR	R	-	-	S
21 LD19-7165	11	R					R	S	S	S
22 LD20-4988	84	NR	24	R	15	R	S	R	S	S
23 LD20-5050	12	R					R	S	R	S
24 U19-049031	2	HR	2	HR	42	**	S	R	R	S
25 U19-218023	65	NR	42	LR	17	R	S	R	S	S
26 U19-220046	7	HR					Het	S	R	S
27 U19-602215	13	R	93	NR	103	NR	Het	S	Het	S
28 U19-618131	2	HR	0	HR	20	R	S	-	-	S
29 U19-618247	2	HR	55	LR	71	NR	S	R	R	S
30 U19-923124	2	HR	0	HR	24	R	S	R	R	S
31 U19-924091	17	**	78	NR	95	NR	Het	S	S	S
32 U19-926126	26	**	8	HR	62	NR	S	R	R	S

(**)=rep data too variable to rate

(-)=missing data

Italic=2022 data

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	SNP marker analysis													
	Iron Chlorosis			Phytophthora								Brown stem rot	Frogeye leaf spot	Stem canker
	Fec-LgA1	Fec-LgN	Ch13	Rps1a	Rps1c	Rps1d	Rps1k	Rps2	Rps3a	Rps6				
1 IA2102	R	S	R	S	S	S	S	S	S	S	R	S	R	
2 LD02-4485 (SCN)	S	S	R	S	S	S	S	S	S	S	S	S	R	
3 U11-917032 (SCN)	Het	S	R	S	S	S	S	S	S	S	S	S	R	
4 U14-910097 (SCN)	Het	S	R	S	S	S	S	S	S	S	S	S	R	
5 A15208-17	R	R	R	S	S	S	S	S	S	S	R	S	R	
6 E20026	R	R	R	S	S	S	R	S	S	R	R	S	R	
7 E20099	R	S	R	S	S	S	R	S	S	S	R	S	R	
8 E20329	S	S	R	S	S	S	R	S	S	S	S	S	R	
9 E20333	R	S	R	S	S	S	Het	S	S	S	S	S	R	
10 E20335	S	S	R	S	S	S	R	S	S	S	S	S	R	
11 E20351	R	R	R	S	S	S	S	S	S	S	Het	S	R	
12 E20352	R	R	R	S	S	S	S	S	S	S	S	S	R	
13 E20355	R	Het	R	S	S	S	Het	S	S	S	R	S	R	
14 LD17-2558	S	R	Het	S	S	S	S	S	S	S	R	S	R	
15 LD18-4231	R	R	R	S	S	S	S	S	S	S	R	S	R	
16 LD18-4406	S	S	R	-	S	S	R	S	S	S	R	S	R	
17 LD18-5062	S	S	R	-	S	S	R	S	S	S	S	S	R	
18 LD19-1844	S	R	-	S	S	S	R	S	S	S	R	S	R	
19 LD19-5726	S	R	S	S	S	S	S	S	S	S	R	S	R	
20 LD19-7145	S	R	S	S	S	S	R	S	S	S	R	S	R	
21 LD19-7165	S	R	Het	S	S	S	S	S	S	S	R	S	R	
22 LD20-4988	S	R	R	S	S	S	R	S	S	S	R	S	R	
23 LD20-5050	S	R	S	S	S	S	R	S	S	S	R	S	R	
24 U19-049031	S	S	R	S	S	S	S	S	S	S	S	S	R	
25 U19-218023	R	S	R	S	S	S	S	S	S	S	S	S	R	
26 U19-220046	R	S	R	S	S	S	-	S	S	S	S	S	R	
27 U19-602215	S	Het	R	S	S	S	R	S	S	S	S	S	R	
28 U19-618131	Het	Het	R	S	S	S	-	S	S	-	Het	S	R	
29 U19-618247	S	R	R	S	S	S	R	S	S	S	Het	S	R	
30 U19-923124	S	S	R	S	S	S	S	S	S	S	S	S	R	
31 U19-924091	S	R	R	S	S	S	R	S	S	S	R	S	R	
32 U19-926126	S	S	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 IA2102	Rhg1_Pi88788	LgA+Ch13	
2 LD02-4485 (SCN)	Rhg1_Pi88788	Ch13	
3 U11-917032 (SCN)			
4 U14-910097 (SCN)	Rhg1_Peking, Rhg4_Peking	H-LgA+Ch13	
5 A15208-17	Rhg1-Peking+Rhg4	LgA1+LgN+Ch13	
6 E20026	Rhg1_Pi88788	R-(LgA1+LgN+Ch13)	Rps1k + Rps6
7 E20099	Het-Rhg1_Pi88788&Peking, R-Rhg4_Peking	LgA+Ch13	Rps1k
8 E20329	Rhg1_Pi88788, Het-Rhg4_Peking	Ch13	Rps1k
9 E20333	Rhg1_Pi88788	LgA+Ch13	H-Rps1k
10 E20335	Rhg1_Pi88788	R-Ch13	Rps1k
11 E20351	Rhg1_Pi88788, Het-Rhg4	R-(LgA1+LgN+Ch13)	
12 E20352	Rhg1_Pi88788	LgA+LgN+Ch13	
13 E20355	Rhg1_Pi88788	LgA+H-LgN+Ch13	H-Rps1k
14 LD17-2558	Rhg1_Pi88788	LgN+H-Ch13	
15 LD18-4231	Rhg1_Pi88788	LgA+LgN+Ch13	
16 LD18-4406	Rhg1_Pi88788	Ch13	Rps1k
17 LD18-5062	Rhg1_Pi88788	Ch13	Rps1k
18 LD19-1844	Rhg1_Pi88788	LgN	Rps1k
19 LD19-5726	Rhg1_Pi88788	R-LgN	
20 LD19-7145	Rhg1_Pi88788	LgN	Rps1k
21 LD19-7165	Rhg1_Pi88788	LgN+H-Ch13	
22 LD20-4988	Rhg1_Peking	R-(LgN+Ch13)	Rps1k
23 LD20-5050	Rhg1_Pi88788+Rhg4	R-LgN	Rps1k
24 U19-049031	Rhg1_Peking+Rhg4	R-Ch13	
25 U19-218023	Rhg1_Peking	R-(LgA1+Ch13)	
26 U19-220046	Het-Rhg1_Pi88788	R-(LgA1+Ch13)	?
27 U19-602215	Het Rhg1-Pi88788	Ch13, Het LgN	Rps1k
28 U19-618131	?	H-LgA+H-LgN+Ch13	?
29 U19-618247	Rhg1-Peking+Rhg4	LgN+Ch13	Rps1k
30 U19-923124	Rhg1-Peking+Rhg4	Ch13	
31 U19-924091	Het Rhg1-Pi88788	LgN+Ch13	Rps1k
32 U19-926126	Rhg1-Peking+Rhg4	Ch13	

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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
	Locations	8		4		4		5		4	5	5	4	4
1 IA2102		66.9	21	64.3	22	69.3	19	9/18	2.0	35	16.7	1.4	34.5	18.8
2 LD02-4485 (SCN)		64.4	26	62.3	26	66.3	26	-1.0	1.6	35	15.4	1.4	32.7	19.9
3 U11-917032 (SCN)		57.4	32	56.1	32	58.6	32	-5.1	1.4	31	16.1	1.3	33.4	20.6
4 U14-910097 (SCN)		74.9	1	73.4	1	76.3	4	4.2	1.4	34	15.5	1.0	33.6	20.5
5 A15208-17		60.5	30	60.9	28	60.0	31	-2.0	1.0	33	15.5	1.6	32.7	20.6
6 E20026		62.2	29	60.0	29	64.4	28	-1.7	2.0	34	18.4	1.2	33.5	20.0
7 E20099		60.5	31	60.0	29	60.8	30	-3.3	1.0	33	17.2	1.3	34.8	20.2
8 E20329		66.7	22	65.2	20	68.1	23	-0.7	1.1	34	15.5	1.2	32.5	20.2
9 E20333		67.4	18	65.8	17	68.9	20	1.5	1.2	39	15.6	1.4	33.3	20.0
10 E20335		66.3	24	66.2	15	66.3	25	1.4	1.6	38	16.1	1.3	33.9	19.5
11 E20351		67.3	19	63.2	24	71.2	15	1.7	1.2	38	15.0	1.4	33.7	20.0
12 E20352		63.5	28	61.5	27	65.4	27	3.3	1.7	39	14.0	1.4	32.9	19.9
13 E20355		70.9	8	71.2	2	70.4	17	4.7	1.2	39	16.0	1.3	33.2	19.6
14 LD17-2558		70.3	10	68.1	8	72.5	9	1.7	1.2	36	16.9	1.3	33.4	20.1
15 LD18-4231		70.9	8	66.6	13	75.1	5	0.3	1.3	36	15.4	1.4	33.7	19.0
16 LD18-4406		63.6	27	63.2	25	63.7	29	-0.7	1.4	34	15.3	1.6	34.3	20.0
17 LD18-5062		66.9	20	65.4	18	68.2	22	-1.0	1.4	35	14.5	1.2	32.8	19.1
18 LD19-1844		69.6	11	67.2	11	71.7	11	2.1	1.1	35	15.2	1.2	34.4	20.0
19 LD19-5726		68.9	13	66.2	15	71.5	12	4.3	0.9	34	15.6	1.4	33.9	20.0
20 LD19-7145		71.0	7	69.4	5	72.3	10	1.4	0.9	29	16.2	1.4	33.5	19.1
21 LD19-7165		72.2	5	70.6	3	73.6	6	3.7	1.0	33	16.4	1.4	33.9	19.7
22 LD20-4988		72.3	4	67.6	9	77.0	2	2.0	1.1	34	16.6	1.2	35.0	20.2
23 LD20-5050		67.7	17	63.8	23	71.5	12	1.2	0.9	33	15.3	1.2	33.4	20.0
24 U19-049031		66.5	23	65.4	19	67.5	24	-2.4	1.1	29	16.2	1.4	33.3	20.2
25 U19-218023		65.7	25	59.9	31	71.3	14	0.1	1.2	34	15.5	1.2	33.8	20.7
26 U19-220046		68.6	14	66.4	14	70.7	16	0.9	0.9	34	15.8	1.4	33.6	20.1
27 U19-602215		71.3	6	69.9	4	72.7	8	4.5	1.1	34	16.2	1.4	34.6	19.7
28 U19-618131		69.2	12	65.1	21	73.6	6	3.8	0.9	35	17.4	1.2	34.6	19.7
29 U19-618247		67.9	16	67.3	10	68.4	21	5.2	0.9	35	15.8	1.3	32.2	20.3
30 U19-923124		73.9	2	69.3	6	78.4	1	1.6	1.0	32	15.7	1.2	34.1	20.8
31 U19-924091		72.9	3	69.1	7	76.5	3	3.5	1.1	35	17.1	1.2	33.5	20.5
32 U19-926126		68.6	14	66.7	12	70.4	18	3.9	1.1	35	14.0	1.2	33.1	20.7
Mean		67.7		65.5		69.8		1.3	1.2	34.4	15.9	1.3	33.6	20.0
C.V. %		10.0		9.6		10.5		9.6	26.3	7.3				
LSD(.05)		3.9		5.0		5.9		1.3	0.2	2.0				
Replications		19		10		9		11	11	9				

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2 Year Summary

Entry	Yield							Seed					
	All		Infested		Non-infested		Maturity date	Lodging score	Height in.	weight g/100	quality score	protein @13%	oil @13%
	bu/a	rank	bu/a	rank	bu/a	rank							
Locations	14		8		6		9	9	8	9	9	8	8
1 IA2102	65.6	11	60.6	13	73.6	11	9/20	1.9	35	16.8	1.5	34.0	19.1
2 LD02-4485 (SCN)	65.5	12	62.0	12	71.6	12	-0.5	1.7	35	15.7	1.4	32.1	19.7
3 U11-917032 (SCN)	57.5	15	54.4	15	63.2	15	-4.8	1.4	31	15.9	1.6	32.7	20.8
4 U14-910097 (SCN)	75.6	1	72.5	1	81.0	2	5.1	1.5	34	15.6	1.3	33.1	20.5
5 A15208-17	61.4	14	59.3	14	65.7	14	-2.2	1.0	32	15.5	1.6	32.0	20.5
14 LD17-2558	71.6	5	67.1	5	79.0	5	2.1	1.3	36	17.1	1.5	33.2	19.9
15 LD18-4231	70.3	7	66.1	8	77.2	6	0.1	1.4	35	15.4	1.6	33.5	18.9
16 LD18-4406	65.5	13	62.8	11	70.3	13	-0.6	1.4	34	15.4	1.6	34.0	19.6
17 LD18-5062	69.0	10	65.3	10	75.4	9	0.2	1.4	35	14.9	1.3	32.6	19.1
27 U19-602215	71.1	6	67.6	4	77.1	7	5.0	1.2	34	16.2	1.3	34.4	19.6
28 U19-618131	72.4	3	68.3	3	79.6	4	4.5	1.1	35	17.5	1.3	34.2	19.7
29 U19-618247	69.3	9	66.5	6	74.4	10	5.8	1.0	35	16.0	1.3	32.2	20.2
30 U19-923124	74.9	2	70.6	2	82.0	1	2.4	1.1	33	15.9	1.4	33.6	20.7
31 U19-924091	71.8	4	66.3	7	80.5	3	4.0	1.2	35	17.3	1.4	33.3	20.6
32 U19-926126	69.4	8	65.8	9	75.6	8	4.1	1.2	35	14.2	1.4	32.9	20.7
Mean	68.7		65.0		75.1		1.8	1.3	34.2	16.0	1.4	33.2	20.0

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Yield (bu/a)

SCN HG Type	Ames		Urbana		Decatur		Mead		Crawfords-	West	Cotesfield		Phillips
	IA	IL	MI	NE	IA	IN	NE	IA	Lafayette	NE	NI	NE	
	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI	NI	NI	NI	NI	
Strain													
1 IA2102	73.4	59.3	64.7	64.5	64.5	81.7	52.4	86.1					
2 LD02-4485 (SCN)	74.3	59.5	59.8	60.1	75.9	75.4	52.9	68.6					
3 U11-917032 (SCN)	60.3	52.4	51.9	64.3	65.1	65.5	53.5	57.8					
4 U14-910097 (SCN)	72.8	65.3	77.6	82.3	87.5	77.5	60.9	86.9					
5 A15208- 17	63.0	55.8	63.7	65.8	60.6	65.8	46.7	74.4					
6 E20026	67.1	62.0	55.6	58.5	60.9	72.4	54.0	77.8					
7 E20099	68.0	54.7	63.9	57.8	67.0	70.3	47.3	66.3					
8 E20329	70.4	66.0	63.8	65.2	80.7	74.8	53.9	70.6					
9 E20333	69.4	60.0	67.7	70.6	69.8	81.1	56.7	75.5					
10 E20335	72.5	63.8	59.6	73.2	68.9	72.9	56.0	75.2					
11 E20351	70.1	60.4	64.7	61.9	76.5	79.5	57.8	78.6					
12 E20352	79.4	56.2	59.2	55.7	68.3	79.2	53.2	68.5					
13 E20355	74.9	65.0	73.4	76.1	77.9	73.1	58.3	80.1					
14 LD17-2558	73.8	64.9	66.6	71.4	75.2	80.9	59.7	81.6					
15 LD18-4231	72.4	61.6	65.4	71.8	78.5	79.0	53.7	96.9					
16 LD18-4406	73.6	58.2	62.3	61.0	67.7	70.7	50.1	74.1					
17 LD18-5062	73.0	59.7	60.8	72.6	75.7	72.9	54.6	77.1					
18 LD19-1844	69.5	63.0	68.5	72.5	84.4	79.8	54.0	76.3					
19 LD19-5726	68.0	64.1	67.8	69.3	87.3	76.2	56.2	74.0					
20 LD19-7145	79.6	64.1	63.8	72.5	83.0	74.0	63.7	76.0					
21 LD19-7165	73.3	67.2	65.0	81.3	81.6	75.1	62.3	83.1					
22 LD20-4988	75.4	59.6	63.5	76.2	86.8	76.4	64.2	88.2					
23 LD20-5050	74.4	59.9	59.1	66.1	79.6	74.0	53.7	86.5					
24 U19-049031	76.8	52.0	65.8	71.5	71.9	73.6	61.3	70.7					
25 U19-218023	68.9	54.1	51.5	69.7	73.6	75.4	58.3	85.4					
26 U19-220046	66.7	63.9	68.4	70.9	77.1	78.5	51.2	83.6					
27 U19-602215	70.1	68.2	65.9	79.7	83.3	73.1	60.5	81.4					
28 U19-618131	72.8	59.4	66.3	66.5	91.4	74.9	50.2	86.0					
29 U19-618247	62.5	63.7	69.4	78.1	84.7	67.8	51.3	77.3					
30 U19-923124	75.8	61.0	70.6	74.1	92.5	77.0	68.0	83.6					
31 U19-924091	76.5	60.7	68.6	75.0	85.2	77.7	64.2	86.7					
32 U19-926126	60.9	58.4	75.2	76.6	79.8	72.0	57.0	80.4					
Mean	71.3	60.8	64.7	69.8	77.0	74.9	56.2	78.6					
C.V. %	7.3	5.3	9.9	6.7	7.0	6.2	6.7	9.4					
LSD(2-sided,.05)	8.5	6.5	10.5	11.6	8.8	9.5	9.4	18.1					
Replications	3	2	3	2	3	2	2	2					
Row spacing (in.)	30	30	30	30	30	30	30	30					

2023 SCN UNIFORM II

Yield (rank)

SCN HG Type	Yield (rank)							
	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA 2.5.7	IL 2.5.7	MI Inf	NE 7	IA NI	IN NI	NE NI	NE NI
Strain								
1 IA2102	12	24	18	25	30	1	27	6
2 LD02-4485 (SCN)	9	22	26	29	19	14	26	29
3 U11-917032 (SCN)	32	31	31	26	29	32	24	32
4 U14-910097 (SCN)	16	4	1	1	3	10	7	3
5 A15208- 17	29	28	22	23	32	31	32	24
6 E20026	27	13	30	30	31	26	20	17
7 E20099	25	29	19	31	28	29	31	31
8 E20329	19	3	20	24	12	18	21	28
9 E20333	23	18	10	18	24	2	15	22
10 E20335	17	10	27	10	25	24	17	23
11 E20351	21	17	17	27	18	5	12	16
12 E20352	2	27	28	32	26	6	25	30
13 E20355	7	5	3	7	16	22	11	15
14 LD17-2558	10	6	11	16	21	3	9	12
15 LD18-4231	18	14	15	14	15	7	23	1
16 LD18-4406	11	26	24	28	27	28	30	25
17 LD18-5062	14	20	25	11	20	24	18	19
18 LD19-1844	22	12	7	13	8	4	19	20
19 LD19-5726	26	7	9	20	4	13	16	26
20 LD19-7145	1	7	21	12	10	19	4	21
21 LD19-7165	13	2	16	2	11	16	5	11
22 LD20-4988	6	21	23	6	5	12	2	2
23 LD20-5050	8	19	29	22	14	19	22	5
24 U19-049031	3	32	14	15	23	21	6	27
25 U19-218023	24	30	32	19	22	14	10	8
26 U19-220046	28	9	8	17	17	8	29	9
27 U19-602215	20	1	13	3	9	22	8	13
28 U19-618131	15	23	12	21	2	17	14	7
29 U19-618247	30	11	5	4	7	30	28	18
30 U19-923124	5	15	4	9	1	11	1	10
31 U19-924091	4	16	6	8	6	9	3	4
32 U19-926126	31	25	2	5	13	27	13	14

2023 SCN UNIFORM II

Maturity

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA	IL	MI	NE	IA	IN	NE	NE
Strain	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI
1 IA2102	9/19	9/13		9/16		9/22		9/24
2 LD02-4485 (SCN)	-1	2		-3		-2		-2
3 U11-917032 (SCN)	-5	-5		-6		-4		-7
4 U14-910097 (SCN)	5	5		5		4		2
5 A15208- 17	0	-1		-5		-3		-2
6 E20026	-6	-2		-2		-4		-4
7 E20099	-2	-2		-6		-3		-5
8 E20329	2	2		-6		0		-2
9 E20333	3	4		1		0		-1
10 E20335	5	3		0		-1		-1
11 E20351	5	3		-2		3		-1
12 E20352	6	5		3		2		1
13 E20355	8	6		4		4		2
14 LD17-2558	3	2		3		1		-1
15 LD18-4231	3	1		-3		1		-1
16 LD18-4406	1	1		-2		-3		-1
17 LD18-5062	0	2		-1		-3		-3
18 LD19-1844	3	3		4		1		0
19 LD19-5726	5	5		6		3		3
20 LD19-7145	4	4		-1		-1		0
21 LD19-7165	5	4		5		3		2
22 LD20-4988	1	2		4		2		2
23 LD20-5050	2	3		1		1		-1
24 U19-049031	-2	-2		-4		-2		-3
25 U19-218023	0	-1		2		-1		1
26 U19-220046	2	3		-1		0		1
27 U19-602215	6	5		5		5		2
28 U19-618131	4	4		5		5		2
29 U19-618247	5	7		7		4		3
30 U19-923124	1	2		4		2		-1
31 U19-924091	6	2		5		3		2
32 U19-926126	5	3		5		4		3
Planted	5/24	5/15	5/09	5/16	5/04	5/23	5/17	5/23

2023 SCN UNIFORM II

Lodging (score)

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA	IL	MI	NE	IA	IN	NE	NE
Strain	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI
1 IA2102	1.7	3.0		2.5		2.0		1.0
2 LD02-4485 (SCN)	1.3	1.5		2.5		2.0		1.0
3 U11-917032 (SCN)	1.3	1.5		2.0		1.5		1.0
4 U14-910097 (SCN)	1.3	1.5		2.0		1.5		1.0
5 A15208- 17	1.0	1.0		1.5		1.0		1.0
6 E20026	1.0	2.5		3.5		2.0		1.0
7 E20099	1.0	1.0		1.5		1.0		1.0
8 E20329	1.0	1.0		2.0		1.0		1.0
9 E20333	1.0	1.0		2.0		1.5		1.0
10 E20335	1.7	2.0		2.0		1.5		1.0
11 E20351	1.0	1.0		2.0		1.5		1.0
12 E20352	2.0	1.0		3.0		2.0		1.0
13 E20355	1.0	1.0		2.5		1.0		1.0
14 LD17-2558	1.0	1.5		2.0		1.0		1.0
15 LD18-4231	1.0	1.0		2.0		2.0		1.0
16 LD18-4406	1.3	1.0		2.5		1.5		1.0
17 LD18-5062	1.0	1.5		2.0		2.0		1.0
18 LD19-1844	1.0	1.0		1.5		1.5		1.0
19 LD19-5726	1.0	1.0		1.0		1.0		1.0
20 LD19-7145	1.0	1.0		1.0		1.0		1.0
21 LD19-7165	1.0	1.0		1.5		1.0		1.0
22 LD20-4988	1.0	1.0		2.0		1.0		1.0
23 LD20-5050	1.0	1.0		1.0		1.0		1.0
24 U19-049031	1.0	1.0		2.0		1.0		1.0
25 U19-218023	1.0	1.0		2.5		1.0		1.0
26 U19-220046	1.0	1.0		1.0		1.0		1.0
27 U19-602215	1.0	1.0		1.5		1.5		1.0
28 U19-618131	1.0	1.0		1.0		1.0		1.0
29 U19-618247	1.0	1.0		1.0		1.0		1.0
30 U19-923124	1.0	1.0		1.5		1.0		1.0
31 U19-924091	1.0	1.0		2.0		1.0		1.0
32 U19-926126	1.0	1.0		2.0		1.0		1.0

2023 SCN UNIFORM II

Height (inches)

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA	IL	MI	NE	IA	IN	NE	NE
Strain	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI
1 IA2102	39	35		37		36		
2 LD02-4485 (SCN)	36	34		39		37		
3 U11-917032 (SCN)	35	28		33		31		
4 U14-910097 (SCN)	39	31		37		33		
5 A15208- 17	39	28		38		31		
6 E20026	24	35		34		34		
7 E20099	37	31		36		32		
8 E20329	39	32		37		33		
9 E20333	45	37		39		40		
10 E20335	41	36		43		38		
11 E20351	44	36		40		38		
12 E20352	46	39		40		38		
13 E20355	45	37		41		36		
14 LD17-2558	40	33		39		35		
15 LD18-4231	41	33		39		37		
16 LD18-4406	39	32		37		34		
17 LD18-5062	38	35		36		36		
18 LD19-1844	39	33		39		33		
19 LD19-5726	35	32		39		34		
20 LD19-7145	32	28		34		29		
21 LD19-7165	36	31		38		31		
22 LD20-4988	38	32		38		32		
23 LD20-5050	36	31		37		34		
24 U19-049031	33	28		31		28		
25 U19-218023	39	31		37		34		
26 U19-220046	36	32		40		33		
27 U19-602215	38	33		37		33		
28 U19-618131	37	34		39		33		
29 U19-618247	37	32		43		32		
30 U19-923124	36	31		36		30		
31 U19-924091	40	34		37		33		
32 U19-926126	39	33		37		36		

2023 SCN UNIFORM II

Seed Weight (g/100)

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA	IL	MI	NE	IA	IN	NE	NE
Strain	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI
1 IA2102	17.6	16.1		14.1		18.3		17.4
2 LD02-4485 (SCN)	17.1	15.9		12.3		16.1		15.4
3 U11-917032 (SCN)	17.5	16.1		13.7		17.1		16.3
4 U14-910097 (SCN)	15.8	15.9		14.0		16.7		15.1
5 A15208- 17	16.1	15.3		13.1		16.5		16.7
6 E20026	19.0	17.7		15.9		19.7		19.7
7 E20099	18.1	17.5		14.0		19.1		17.2
8 E20329	15.8	16.3		12.8		16.8		15.7
9 E20333	16.1	16.0		13.5		16.4		16.0
10 E20335	18.1	15.8		13.6		17.7		15.2
11 E20351	13.5	15.7		13.0		16.7		16.0
12 E20352	14.7	13.8		12.0		15.3		14.4
13 E20355	16.7	16.1		13.9		17.4		15.7
14 LD17-2558	18.5	16.6		14.9		18.0		16.6
15 LD18-4231	15.6	15.8		13.2		15.7		16.7
16 LD18-4406	16.6	14.9		12.9		16.3		15.9
17 LD18-5062	15.5	14.7		12.4		14.9		15.1
18 LD19-1844	15.2	16.1		13.4		16.1		15.2
19 LD19-5726	16.1	16.4		14.0		16.4		15.1
20 LD19-7145	17.5	17.2		13.9		17.2		15.2
21 LD19-7165	17.0	16.7		15.1		17.1		16.0
22 LD20-4988	16.9	17.1		14.9		17.7		16.5
23 LD20-5050	15.5	15.0		13.2		16.5		16.5
24 U19-049031	17.0	16.5		14.2		17.4		15.9
25 U19-218023	15.8	15.4		14.1		17.1		15.3
26 U19-220046	15.7	16.3		14.5		16.5		16.2
27 U19-602215	16.8	16.2		15.0		17.0		16.1
28 U19-618131	18.2	17.7		16.2		18.2		16.9
29 U19-618247	15.5	17.5		13.8		16.4		15.9
30 U19-923124	16.1	16.3		14.0		16.7		15.5
31 U19-924091	18.1	16.7		15.9		17.9		17.0
32 U19-926126	13.6	14.0		12.6		14.9		14.9

2023 SCN UNIFORM II

Seed Quality (score)

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA	IL	MI	NE	IA	IN	NE	NE
Strain	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI
1 IA2102	2.0	2.0		1.0		1.0		1.0
2 LD02-4485 (SCN)	2.0	2.0		1.0		1.0		1.0
3 U11-917032 (SCN)	1.7	2.0		1.0		1.0		1.0
4 U14-910097 (SCN)	1.0	1.0		1.0		1.0		1.0
5 A15208- 17	2.0	3.0		1.0		1.0		1.0
6 E20026	2.0	1.0		1.0		1.0		1.0
7 E20099	1.7	2.0		1.0		1.0		1.0
8 E20329	1.0	2.0		1.0		1.0		1.0
9 E20333	2.0	2.0		1.0		1.0		1.0
10 E20335	1.3	2.0		1.0		1.0		1.0
11 E20351	2.0	2.0		1.0		1.0		1.0
12 E20352	2.0	2.0		1.0		1.0		1.0
13 E20355	1.7	2.0		1.0		1.0		1.0
14 LD17-2558	1.7	2.0		1.0		1.0		1.0
15 LD18-4231	2.0	1.0		1.0		2.0		1.0
16 LD18-4406	2.0	2.0		1.0		2.0		1.0
17 LD18-5062	2.0	1.0		1.0		1.0		1.0
18 LD19-1844	2.0	1.0		1.0		1.0		1.0
19 LD19-5726	2.0	2.0		1.0		1.0		1.0
20 LD19-7145	2.0	2.0		1.0		1.0		1.0
21 LD19-7165	2.0	1.0		1.0		2.0		1.0
22 LD20-4988	2.0	1.0		1.0		1.0		1.0
23 LD20-5050	2.0	1.0		1.0		1.0		1.0
24 U19-049031	2.0	2.0		1.0		1.0		1.0
25 U19-218023	2.0	1.0		1.0		1.0		1.0
26 U19-220046	2.0	2.0		1.0		1.0		1.0
27 U19-602215	2.3	1.0		1.0		1.5		1.0
28 U19-618131	2.0	1.0		1.0		1.0		1.0
29 U19-618247	2.0	1.0		1.0		1.5		1.0
30 U19-923124	2.0	1.0		1.0		1.0		1.0
31 U19-924091	1.7	1.0		1.0		1.5		1.0
32 U19-926126	2.0	1.0		1.0		1.0		1.0

2023 SCN UNIFORM II

Protein (%)

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA	IL	MI	NE	IA	IN	NE	NE
Strain	2.5.7	2.5.7	Inf	7	NI	NI	NI	NI
1 IA2102		35.0		34.3		34.5		34.3
2 LD02-4485 (SCN)		33.4		32.3		33.2		31.8
3 U11-917032 (SCN)		33.3		34.4		33.6		32.5
4 U14-910097 (SCN)		34.5		32.1		34.1		33.6
5 A15208- 17		33.5		32.6		32.8		32.1
6 E20026		32.6		33.9		33.5		34.0
7 E20099		34.4		34.4		35.5		34.9
8 E20329		32.2		33.1		32.0		32.9
9 E20333		33.3		32.6		34.3		33.0
10 E20335		34.9		32.8		35.0		33.0
11 E20351		34.0		32.6		34.7		33.4
12 E20352		32.9		32.3		33.7		32.7
13 E20355		32.5		32.9		34.3		33.1
14 LD17-2558		33.3		32.7		33.9		33.7
15 LD18-4231		33.2		33.6		33.9		34.2
16 LD18-4406		35.2		33.2		34.5		34.3
17 LD18-5062		33.9		32.3		33.0		32.1
18 LD19-1844		35.2		33.8		34.8		33.9
19 LD19-5726		33.9		33.1		35.1		33.3
20 LD19-7145		33.1		33.6		34.2		33.2
21 LD19-7165		34.6		32.8		34.6		33.4
22 LD20-4988		35.4		34.2		35.7		34.8
23 LD20-5050		33.8		32.0		35.1		32.7
24 U19-049031		33.8		33.2		34.0		32.3
25 U19-218023		33.7		34.0		33.7		33.8
26 U19-220046		34.6		32.2		34.3		33.1
27 U19-602215		34.8		33.6		35.6		34.3
28 U19-618131		35.2		33.7		35.7		33.9
29 U19-618247		33.1		31.3		31.9		32.5
30 U19-923124		35.2		33.0		35.0		33.2
31 U19-924091		33.2		32.3		34.7		33.8
32 U19-926126		33.4		32.0		32.7		34.3

2023 SCN UNIFORM II

Oil (%)

SCN HG Type	Ames	Urbana	Decatur	Mead	Crawfords- ville	West Lafayette	Cotesfield	Phillips
	IA 2.5.7	IL 2.5.7	MI Inf	NE 7	IA NI	IN NI	NE NI	NE NI
Strain								
1 IA2102		18.8		19.1		18.5		18.7
2 LD02-4485 (SCN)		19.3		20.4		19.5		20.4
3 U11-917032 (SCN)		21.1		20.1		20.0		21.2
4 U14-910097 (SCN)		20.1		21.3		20.3		20.3
5 A15208- 17		20.1		20.7		20.8		20.7
6 E20026		20.6		19.5		20.5		19.6
7 E20099		20.6		20.1		19.9		20.2
8 E20329		20.5		20.1		20.2		20.1
9 E20333		19.8		20.5		19.9		20.0
10 E20335		19.0		20.0		19.1		19.7
11 E20351		20.3		20.5		19.2		20.2
12 E20352		19.7		20.2		19.2		20.4
13 E20355		19.6		20.1		19.2		19.6
14 LD17-2558		20.1		20.3		19.7		20.2
15 LD18-4231		19.2		19.2		19.1		18.6
16 LD18-4406		19.7		20.7		19.9		19.8
17 LD18-5062		18.9		19.7		18.6		19.3
18 LD19-1844		19.7		20.4		19.7		20.2
19 LD19-5726		20.2		20.4		19.1		20.4
20 LD19-7145		19.2		19.0		19.0		19.2
21 LD19-7165		19.9		19.8		19.1		19.9
22 LD20-4988		20.8		20.3		19.5		20.1
23 LD20-5050		19.9		20.8		18.9		20.5
24 U19-049031		20.2		19.9		20.2		20.4
25 U19-218023		21.4		20.7		20.6		20.2
26 U19-220046		19.5		21.4		19.6		19.8
27 U19-602215		20.1		19.9		19.4		19.4
28 U19-618131		19.5		20.1		19.3		20.0
29 U19-618247		20.1		20.8		20.0		20.4
30 U19-923124		20.9		21.3		20.1		20.7
31 U19-924091		20.6		21.4		19.7		20.5
32 U19-926126		20.9		21.3		20.4		20.4