

2023 SCN UNIFORM IV

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Cooperator reported Traits	Cooperator reported SCN Resistance source
1 LD15-3818 (SCN)	PLtbl	LD09-3913 x Syngenta BN09002129	5	F5		Rhg1_PI88788
2 LD00-2817P (SCN)	PGibl	Ina x Dwight	14	F5		Rhg1-Peking+Rhg4
3 LD07-3395bf (SCN)	WGbf	Syngenta WW115926 x LD00-2817	9	F5		Rhg1-Peking+Rhg4
4 JT22-4004	PGibl	LG05-2870-3-1 x PI 494182	NEW	F6	unique SCN, diversity	PI 494182
5 K17-6388	PLtbl	LG11-6208 x K11-2363T	3	F5		Rhg1-PI88788
6 K18-1247	WLtbl	LG11-6208 x K11-2363B	2	F4		Rhg1-PI88788
7 K18-1396	PGibl	LG11-2963 x K11-2363B	2	F4		Rhg1-PI88788
8 K20-1588	PTbr	Emerge Genetics 46X714 x PI597387	NEW	F5		PI 88788
9 K20-4479	PGbf/ibl	Emerge Genetics 49X715 x PI597387	NEW	F5		PI 88788
10 LD18-3068	WLtbl	LD13-3673 x U11-614093	2	F5		PI 88788
11 LD18-7512	PGibl	U11-614119 x LD12-3866	22 UT IV	F5		
12 LD19-10076	PGibl	LD12-459 x LD13-8769	1	F5	scn soja	Rhg1_PI88788
13 LD19-10244	WLtbl	LG12-2177 x LD13-8769	1	F5	scn soja	PI 88788
14 LD19-4657	WGbf	LD13-3483 x LG11-6760	1	F5		Rhg1-Peking
15 LD20-6873	PGibl	LD12-459 x LD13-8769	NEW	F5	scn soja	soja, Rhg1 88788
16 LD20-11622	PLtbl	LD12-3903 x LD11-2170	22 PT IV	F4		
17 LD20-11748	PLtbr	U14-910097 x LD15-3818	NEW	F5		Rhg4, Rhg1 (88788/437654)
18 SA18-10815	WGbf	LG11-6210 x SA13-2699	1	F5	Rhg1b,BSR,SC	Rhg1b
19 SA18-12086	WGbf	LD07-3395bf x SA13-1363	1	F5	Rhg1a,Rhg4,SC	Rhg1a+Rhg4
20 SA18-14143	PLtbl	SA13-1363 x LD11-2170	1	F5	Rhg1b,BSR,SC	Rhg1b
21 SA18-9643	WLtbl	LD11-7311 x SA13-1363	NEW	F5	Rdc3	Rhg1-b
22 SA19-10248	PLtbl	SA13-1310 x LD11-2170	1	F5	Rhg1b,Rps1k,BSR,SC	Rhg1b
23 SA19-12580	PLtbr	U14-924158 x LD11-2170	1	F5	Rhg1b,BSR,SC	Rhg1b
24 SA19-20433	WLtbl	U11-494100 x SA13-2489	NEW	F5	Rdc3	Rhg1-a, Rhg2?
25 SA19-20828	WLtbl	LD12-10534 x SA13-1363	NEW	F5	Rdc3, BSR	Rhg1-b
26 SA19-7733	WLtbl	SA13-1385 x LD06-7620	NEW	F5	Rdc3, BSR	Rhg1-b
27 SA20-2430	PTbl	SA14-9653 x 18AS-10	NEW	F5	Rps1c, Rdc3, BSR	Rhg1-b
28 SA20-3389	PTbl	18AS-20 x SA14-9653	NEW	F5	Rps1c, Rdc3, BSR	Rhg1-b

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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
	Fl	rating	Fl	rating	Fl	rating	Rhg1-88788	Rhg1-Peking	Rhg4	
1 LD15-3818 (SCN)	10	R					R	S	S	S
2 LD00-2817P (SCN)	5	HR	1	HR	16	R	S	R	R	-
3 LD07-3395bf (SCN)	4	HR	15	R	45	**	S	R	R	S
4 JT22-4004	64	NR	104	NR	75	NR	S	S	S	S
5 K17-6388	6	HR	71	**			R	S	S	S
6 K18-1247	23	R	94	NR			R	S	S	S
7 K18-1396	13	R	76	NR			R	S	S	S
8 K20-1588	16	R					R	S	S	S
9 K20-4479	11	R					R	S	S	S
10 LD18-3068	71	NR					S	S	S	S
11 LD18-7512	14	R					R	S	S	S
12 LD19-10076	3	HR	45	LR			R	S	S	S
13 LD19-10244	11	R	39	MR			S	S	S	S
14 LD19-4657	53	**	62	**	48	**	S	R	S	S
15 LD20-6873	4	HR	42	LR	44	LR	R	S	S	S
16 LD20-11622	12	R					R	S	S	S
17 LD20-11748	9	HR	30	**	60	**	Het	Het	R	S
18 SA18-10815	6	HR	91	NR			R	S	S	S
19 SA18-12086	7	HR	36	**	51	LR	S	R	R	S
20 SA18-14143	3	HR	79	NR			R	S	S	S
21 SA18-9643	5	HR					R	S	S	S
22 SA19-10248	11	R	89	NR			R	S	S	S
23 SA19-12580	8	HR	87	NR			R	S	S	S
24 SA19-20433	64	NR					S	R	S	S
25 SA19-20828	10	**					Het	S	S	S
26 SA19-7733	16	R					R	S	S	S
27 SA20-2430	12	R					R	S	S	S
28 SA20-3389	10	R					R	S	S	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 LD15-3818 (SCN)	S	R	Het	R	S	S	S	S	S	S	S	S	S	R
2 LD00-2817P (SCN)	S	R	R	S	S	S	S	S	S	S	S	S	S	R
3 LD07-3395bf (SCN)	S	R	R	S	S	S	S	S	S	S	S	S	S	R
4 JT22-4004	R	S	R	S	S	S	S	S	S	S	R	S	R	
5 K17-6388	Het	R	R	S	S	S	S	S	S	S	R	S	R	
6 K18-1247	S	R	R	S	S	S	S	S	S	S	R	S	R	
7 K18-1396	S	R	R	S	R	S	S	S	S	S	R	S	R	
8 K20-1588	S	R	R	S	S	S	S	S	S	S	R	S	R	
9 K20-4479	S	R	R	S	S	S	S	S	S	S	Het	S	R	
10 LD18-3068	S	S	R	S	S	S	R	S	S	S	R	S	R	
11 LD18-7512	S	S	S	S	S	S	R	S	S	S	S	S	R	
12 LD19-10076	S	R	R	S	S	S	S	S	S	S	R	S	R	
13 LD19-10244	S	R	R	S	S	S	S	S	S	S	R	S	Het	
14 LD19-4657	R	R	R	S	S	S	S	S	S	S	R	S	R	
15 LD20-6873	S	R	R	S	S	S	S	S	S	S	R	S	R	
16 LD20-11622	R	Het	Het	S	-	S	-	S	S	S	R	S	R	
17 LD20-11748	S	R	R	R	S	S	S	S	S	S	S	S	R	
18 SA18-10815	S	-	S	S	S	S	S	S	S	S	R	S	R	
19 SA18-12086	S	R	R	S	S	S	S	S	S	S	S	S	R	
20 SA18-14143	S	S	R	S	S	S	S	S	S	S	R	S	R	
21 SA18-9643	S	S	R	S	S	S	S	S	S	S	S	S	R	
22 SA19-10248	S	S	R	S	S	S	R	S	S	S	R	S	R	
23 SA19-12580	S	R	R	S	S	S	S	S	S	S	R	S	R	
24 SA19-20433	S	R	R	S	S	S	S	S	S	S	S	S	R	
25 SA19-20828	S	R	R	S	S	S	S	S	S	S	R	S	R	
26 SA19-7733	S	R	R	S	S	S	S	S	S	S	R	S	R	
27 SA20-2430	S	S	Het	S	R	S	S	S	S	S	R	S	R	
28 SA20-3389	R	S	R	S	R	S	S	S	S	S	R	S	R	

(-)=missing data

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Predicted resistance genes based on SNP marker analysis

Entry	SCN	Iron Chlorosis	Phytophthora
1 LD15-3818 (SCN)	Rhg1_Pi88788	LgN+H-Ch13	Rps1a
2 LD00-2817P (SCN)	Rhg1_Peking, Rhg4_Peking	LgN+Ch13	
3 LD07-3395bf (SCN)	Rhg1_Peking, Rhg4_Peking	LgN+Ch13	
4 JT22-4004	None	LgA+Ch13	
5 K17-6388	Rhg1-PI88788	Ch13, Het LgA	
6 K18-1247	Rhg1-PI88788	LgN+Ch13	
7 K18-1396	Rhg1-PI88788	LgN+Ch13	Rps1c
8 K20-1588	Rhg1_Pi88788	LgN+Ch13	
9 K20-4479	Rhg1_Pi88788	LgN+Ch13	
10 LD18-3068	None	Ch13	Rps1k
11 LD18-7512	Rhg1_Pi88788		Rps1k
12 LD19-10076	Rhg1_Pi88788	R-(LgN+Ch13)	
13 LD19-10244	None	R-(LgN+Ch13)	
14 LD19-4657	Rhg1_Peking	LgA+LgN+Ch13	
15 LD20-6873	Rhg1_Pi88788	LgN+Ch13	
16 LD20-11622	Rhg1_Pi88788	LgA+H-LgN+H-Ch13	
17 LD20-11748	Het-Rhg1_Pi88788&Peking, R-Rhg4_Peking	LgN+Ch13	Rps1a
18 SA18-10815	Rhg1_Pi88788		
19 SA18-12086	Rhg1_Peking, Rhg4_Peking	LgN+Ch13	
20 SA18-14143	Rhg1_Pi88788	Ch13	
21 SA18-9643	Rhg1_Pi88788	Ch13	
22 SA19-10248	Rhg1_Pi88788	Ch13	Rps1k
23 SA19-12580	Rhg1_Pi88788	LgN+Ch13	
24 SA19-20433	Rhg1_Peking	LgN+Ch13	
25 SA19-20828	Het-Rhg1_Pi88788	LgN+Ch13	
26 SA19-7733	Rhg1_Pi88788	LgN+Ch13	
27 SA20-2430	Rhg1_Pi88788	H-Ch13	Rps1c
28 SA20-3389	Rhg1_Pi88788	LgA+Ch13	Rps1c

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2023 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	4*		2		2*		5	5	5	5	5	5	5	5
1 LD15-3818 (SCN)	68.0	4	59.5	10	76.3	3	9/28	1.4	34	14.6	2.1	34.1	19.6	
2 LD00-2817P (SCN)	61.3	26	57.0	17	65.3	25	0.2	1.5	36	12.9	1.7	33.7	19.0	
3 LD07-3395bf (SCN)	65.4	12	57.7	13	72.8	11	-1.4	1.2	30	14.3	2.3	33.4	19.4	
4 JT22-4004	62.6	23	55.4	20	69.5	21	2.6	1.8	38	15.1	2.2	34.1	18.5	
5 K17-6388	63.7	17	55.2	21	72.0	13	3.2	1.4	34	13.1	2.2	33.4	18.7	
6 K18-1247	67.2	6	60.8	8	73.5	7	6.1	1.7	35	13.1	1.5	35.3	17.7	
7 K18-1396	66.9	7	63.0	3	70.5	17	-0.1	1.4	35	13.2	1.3	34.3	18.8	
8 K20-1588	54.5	28	50.5	28	58.3	28	1.5	1.8	37	13.0	1.5	36.4	18.7	
9 K20-4479	58.1	27	53.3	26	62.7	27	6.4	1.6	34	13.6	2.0	34.3	19.2	
10 LD18-3068	65.2	13	57.1	16	73.2	9	0.0	1.1	32	15.4	2.0	35.4	19.0	
11 LD18-7512	64.0	16	54.3	22	73.6	6	-1.8	1.3	33	14.1	2.0	33.6	19.6	
12 LD19-10076	68.3	3	58.8	11	77.6	1	-1.8	1.5	33	14.1	1.9	34.6	18.9	
13 LD19-10244	62.7	20	61.7	7	63.6	26	4.5	1.5	39	13.9	1.3	35.0	18.5	
14 LD19-4657	69.2	1	64.1	1	74.0	5	1.2	1.5	35	13.5	2.0	33.9	18.3	
15 LD20-6873	62.7	21	57.1	15	68.2	24	-3.6	1.3	33	13.9	2.2	33.4	18.4	
16 LD20-11622	68.4	2	63.3	2	73.3	8	-0.4	1.3	31	17.3	1.5	34.5	19.5	
17 LD20-11748	65.2	14	53.2	27	76.9	2	-1.0	1.3	33	13.9	2.0	34.3	19.7	
18 SA18-10815	66.7	10	60.0	9	73.2	9	0.6	1.7	36	14.1	2.0	34.9	18.7	
19 SA18-12086	63.1	18	56.2	19	69.9	20	1.1	1.2	31	13.3	1.6	33.2	19.6	
20 SA18-14143	65.8	11	62.9	4	68.5	22	-1.6	1.4	34	12.2	1.8	34.0	20.3	
21 SA18-9643	62.7	22	54.0	24	71.1	14	-1.8	1.2	33	14.5	1.6	34.7	19.4	
22 SA19-10248	66.7	9	57.6	14	75.7	4	-0.4	1.4	34	16.3	2.1	35.1	19.9	
23 SA19-12580	62.8	19	57.0	18	68.4	23	-2.0	1.5	33	15.8	2.5	33.9	19.0	
24 SA19-20433	62.3	24	54.2	23	70.3	19	1.1	1.5	34	12.9	1.8	32.7	18.1	
25 SA19-20828	67.3	5	61.9	6	72.5	12	1.6	1.3	34	14.6	1.8	32.6	20.0	
26 SA19-7733	66.7	8	62.3	5	71.0	15	0.8	1.3	35	13.6	1.9	33.9	18.7	
27 SA20-2430	62.0	25	53.4	25	70.4	18	1.7	1.6	34	13.2	3.0	35.4	18.5	
28 SA20-3389	64.9	15	58.7	12	70.9	16	0.7	1.4	36	14.2	1.6	34.6	18.5	
Mean	64.4		57.9		70.8		0.6	1.4	34.1	14.1	1.9	34.2	19.0	
C.V. %	9.9		8.7		9.7		8.5	16.6	7.4					
LSD(.05)	5.1		5.8		7.9		1.7	0.2	1.8					
Replications	11		5		6		12	12	12					

*Ottawa, KS yield data not included in means due to shattering.

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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	12		8		4		13	12	13	11	11	11	11
1 LD15-3818 (SCN)	61.8	5	61.0	7	63.3	4	9/30	1.4	32	14.9	2.0	34.4	19.6
2 LD00-2817P (SCN)	59.2	12	60.1	10	57.2	14	2.1	1.7	35	13.3	1.9	33.8	19.4
3 LD07-3395bf (SCN)	61.1	7	60.7	8	61.8	7	-1.0	1.3	28	15.1	2.2	33.6	19.7
5 K17-6388	62.0	4	62.2	5	61.6	9	3.9	1.2	32	14.0	2.1	33.4	18.8
6 K18-1247	62.1	3	62.9	4	60.6	11	7.1	1.5	33	13.3	1.8	35.3	17.9
7 K18-1396	63.3	2	64.3	3	61.5	10	0.0	1.3	33	13.5	1.7	35.0	18.9
10 LD18-3068	61.0	9	60.5	9	61.7	8	1.0	1.1	30	16.0	1.9	35.5	18.9
12 LD19-10076	60.4	11	59.0	12	63.1	5	0.0	1.4	31	14.8	2.1	34.8	19.2
13 LD19-10244	61.7	6	64.7	2	55.7	15	5.6	1.8	38	14.4	1.5	35.3	18.6
14 LD19-4657	65.6	1	66.1	1	64.1	1	2.4	1.5	33	13.9	2.0	34.2	18.3
18 SA18-10815	61.1	7	59.8	11	63.6	2	0.8	1.5	34	14.4	2.0	34.9	18.8
19 SA18-12086	57.6	15	55.3	15	62.1	6	2.4	1.2	30	13.9	1.9	33.1	19.7
20 SA18-14143	60.4	10	61.1	6	58.9	13	-0.1	1.4	32	13.2	1.9	34.2	20.5
22 SA19-10248	58.9	13	56.3	14	63.6	3	0.0	1.4	31	16.7	2.2	35.2	20.0
23 SA19-12580	58.3	14	58.0	13	58.9	12	-1.5	1.5	31	16.5	2.3	34.3	19.1
Mean	61.0		60.8		61.2		1.6	1.4	32.2	14.5	2.0	34.5	19.2

2023 SCN UNIFORM IV

Yield (bu/a)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	73.8	47.4	59.2	43.1	93.4
2 LD00-2817P (SCN)	66.0	50.3	50.5	36.8	80.2
3 LD07-3395bf (SCN)	73.5	44.2	63.2	38.6	82.5
4 JT22-4004	60.1	52.9	50.3	33.9	88.7
5 K17-6388	64.3	48.4	55.6	34.7	88.4
6 K18-1247	64.2	59.6	58.7	36.3	88.3
7 K18-1396	66.3	62.1	53.7	40.9	87.3
8 K20-1588	53.0	50.2	46.1	36.3	70.4
9 K20-4479	59.6	49.3	46.7	32.9	78.7
10 LD18-3068	65.4	50.9	56.2	33.1	90.1
11 LD18-7512	61.2	49.6	58.1	20.6	89.0
12 LD19-10076	64.9	54.8	54.6	32.7	100.6
13 LD19-10244	64.1	61.6	46.4	31.0	80.8
14 LD19-4657	69.8	60.7	59.3	39.1	88.7
15 LD20-6873	65.8	50.6	54.1	32.5	82.3
16 LD20-11622	71.5	57.3	53.1	47.9	93.5
17 LD20-11748	67.9	40.7	63.4	41.9	90.5
18 SA18-10815	68.0	54.2	58.5	42.7	87.9
19 SA18-12086	75.2	39.4	57.5	43.5	82.2
20 SA18-14143	69.3	58.8	53.6	39.3	83.5
21 SA18-9643	68.8	41.5	53.9	40.0	88.3
22 SA19-10248	69.0	48.4	60.3	38.6	91.0
23 SA19-12580	73.0	43.2	53.7	33.9	83.2
24 SA19-20433	69.0	41.5	50.4	39.0	90.1
25 SA19-20828	70.8	55.2	54.9	35.3	90.1
26 SA19-7733	69.9	56.9	53.1	25.6	88.8
27 SA20-2430	67.1	42.0	48.8	34.5	91.9
28 SA20-3389	66.7	52.9	51.9	38.8	89.9
Mean	67.1	50.9	54.5	36.6	87.2
C.V. %	5.4	10.0	12.6	5.9	8.0
LSD(2-sided,.05)	7.4	9.9	11.2	3.5	11.5
Replications	2	3	3	3	3
Row spacing (in.)	30	30	30	30	30

2023 SCN UNIFORM IV

Yield (rank)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	2	21	5	3	3
2 LD00-2817P (SCN)	18	15	22	14	26
3 LD07-3395bf (SCN)	3	22	2	12	22
4 JT22-4004	26	11	24	20	13
5 K17-6388	22	19	11	18	15
6 K18-1247	23	4	6	15	16
7 K18-1396	17	1	16	6	19
8 K20-1588	28	16	28	15	28
9 K20-4479	27	18	26	23	27
10 LD18-3068	20	13	10	22	8
11 LD18-7512	25	17	8	28	11
12 LD19-10076	21	9	13	24	1
13 LD19-10244	24	2	27	26	25
14 LD19-4657	8	3	4	9	13
15 LD20-6873	19	14	14	25	23
16 LD20-11622	5	6	19	1	2
17 LD20-11748	14	27	1	5	6
18 SA18-10815	13	10	7	4	18
19 SA18-12086	1	28	9	2	24
20 SA18-14143	9	5	18	8	20
21 SA18-9643	12	25	15	7	16
22 SA19-10248	10	19	3	12	5
23 SA19-12580	4	23	16	20	21
24 SA19-20433	10	25	23	10	8
25 SA19-20828	6	8	12	17	7
26 SA19-7733	7	7	19	27	12
27 SA20-2430	15	24	25	19	4
28 SA20-3389	16	11	21	11	10

2023 SCN UNIFORM IV

Maturity

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock Port
	IL	MO	KS	KS	MO
	2.5.7	1.2.5.7	NI	NI	NI
Strain					
1 LD15-3818 (SCN)	9/28	9/28	9/30	9/18	10/8
2 LD00-2817P (SCN)	1	0	-3	3	0
3 LD07-3395bf (SCN)	-2	-1	-5	1	0
4 JT22-4004	1	4	3	2	3
5 K17-6388	5	4	1	5	1
6 K18-1247	7	6	8	8	1
7 K18-1396	-1	1	-4	4	0
8 K20-1588	2	3	-3	4	1
9 K20-4479	8	8	7	7	2
10 LD18-3068	0	0	1	-1	0
11 LD18-7512	-4	0	-3	-1	-1
12 LD19-10076	2	-1	-6	-4	0
13 LD19-10244	8	3	4	6	2
14 LD19-4657	5	0	-4	3	1
15 LD20-6873	-1	-5	-6	-5	-1
16 LD20-11622	-1	1	-3	1	0
17 LD20-11748	0	-2	-1	-1	-1
18 SA18-10815	1	0	-1	4	0
19 SA18-12086	3	-2	0	4	0
20 SA18-14143	0	0	-4	-2	-1
21 SA18-9643	-1	-2	-5	0	-1
22 SA19-10248	1	0	-4	1	0
23 SA19-12580	-1	-4	-3	-2	0
24 SA19-20433	2	-2	2	3	0
25 SA19-20828	3	1	1	3	0
26 SA19-7733	2	1	-2	2	1
27 SA20-2430	4	0	0	3	1
28 SA20-3389	3	-1	-1	3	-1
Planted	5/15	5/30	6/16	5/23	6/03

2023 SCN UNIFORM IV

Lodging (score)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	1.0	1.3	1.0	1.0	3.0
2 LD00-2817P (SCN)	1.0	1.3	1.0	1.0	3.5
3 LD07-3395bf (SCN)	1.0	1.0	1.0	1.0	2.0
4 JT22-4004	1.0	2.0	1.0	1.0	4.0
5 K17-6388	1.0	1.3	1.0	1.0	3.0
6 K18-1247	1.0	2.0	1.0	1.0	3.5
7 K18-1396	1.0	1.3	1.0	1.0	3.0
8 K20-1588	1.0	2.7	1.0	1.0	3.5
9 K20-4479	1.0	2.0	1.0	1.0	3.0
10 LD18-3068	1.0	1.0	1.0	1.0	1.5
11 LD18-7512	1.0	1.0	1.0	1.0	2.5
12 LD19-10076	1.0	1.3	1.0	1.0	3.5
13 LD19-10244	1.0	1.7	1.0	1.0	3.0
14 LD19-4657	1.0	1.0	1.0	1.0	3.5
15 LD20-6873	1.0	1.0	1.0	1.0	2.5
16 LD20-11622	1.0	1.0	1.0	1.0	2.5
17 LD20-11748	1.0	1.0	1.0	1.0	2.5
18 SA18-10815	1.0	1.7	1.0	1.0	3.5
19 SA18-12086	1.0	1.0	1.0	1.0	2.0
20 SA18-14143	1.0	1.0	1.0	1.0	3.0
21 SA18-9643	1.0	1.0	1.0	1.0	2.0
22 SA19-10248	1.0	1.0	1.0	1.0	3.0
23 SA19-12580	1.0	1.0	1.0	1.0	3.5
24 SA19-20433	1.0	1.0	1.0	1.0	3.5
25 SA19-20828	1.0	1.0	1.0	1.0	2.5
26 SA19-7733	1.0	1.0	1.0	1.0	2.5
27 SA20-2430	1.0	1.7	1.0	1.0	3.0
28 SA20-3389	1.0	1.0	1.0	1.0	3.0

2023 SCN UNIFORM IV

Height (inches)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	35	23	39	33	41
2 LD00-2817P (SCN)	40	24	42	37	41
3 LD07-3395bf (SCN)	31	23	33	29	39
4 JT22-4004	42	23	46	38	45
5 K17-6388	36	23	36	34	42
6 K18-1247	38	23	42	36	39
7 K18-1396	37	28	34	34	43
8 K20-1588	42	27	45	40	35
9 K20-4479	38	29	36	32	41
10 LD18-3068	34	22	33	30	43
11 LD18-7512	36	23	38	34	37
12 LD19-10076	36	21	37	33	39
13 LD19-10244	42	29	48	39	43
14 LD19-4657	38	25	38	33	40
15 LD20-6873	33	23	37	30	41
16 LD20-11622	33	21	36	31	37
17 LD20-11748	36	21	37	31	40
18 SA18-10815	39	27	40	35	45
19 SA18-12086	36	18	36	32	35
20 SA18-14143	35	21	39	33	41
21 SA18-9643	37	19	36	32	42
22 SA19-10248	36	19	39	32	42
23 SA19-12580	37	20	36	33	39
24 SA19-20433	40	18	41	33	41
25 SA19-20828	36	23	39	33	44
26 SA19-7733	38	25	42	35	40
27 SA20-2430	38	22	38	34	42
28 SA20-3389	40	25	39	36	43

2023 SCN UNIFORM IV

Seed Weight (g/100)

	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
SCN HG Type	2.5.7	1.2.5.7	NI	NI	MO
Strain					NI
1 LD15-3818 (SCN)	17.0	15.1	12.4	12.7	16.0
2 LD00-2817P (SCN)	14.8	13.4	11.5	10.8	13.9
3 LD07-3395bf (SCN)	18.1	14.6	9.4	13.7	15.8
4 JT22-4004	16.7	16.6	14.1	12.1	16.2
5 K17-6388	15.1	15.4	9.9	9.9	15.2
6 K18-1247	13.8	13.8	13.4	10.0	14.4
7 K18-1396	14.2	14.5	12.5	10.7	14.1
8 K20-1588	14.1	14.5	11.7	10.6	13.9
9 K20-4479	15.8	15.0	12.6	10.6	14.2
10 LD18-3068	17.7	17.4	13.9	11.0	17.0
11 LD18-7512	15.7	15.1	14.1	10.6	15.1
12 LD19-10076	16.6	16.0	11.1	11.3	15.4
13 LD19-10244	15.8	15.4	12.4	11.1	14.7
14 LD19-4657	14.4	14.2	12.9	12.0	14.2
15 LD20-6873	15.6	14.4	13.0	11.8	14.7
16 LD20-11622	19.5	19.1	15.9	14.4	17.8
17 LD20-11748	15.5	14.0	13.4	11.2	15.5
18 SA18-10815	16.1	14.7	12.8	11.4	15.6
19 SA18-12086	15.1	13.5	13.4	11.0	13.7
20 SA18-14143	14.4	13.4	11.4	8.9	13.1
21 SA18-9643	17.3	15.1	12.2	12.4	15.4
22 SA19-10248	18.8	16.8	15.9	13.0	17.0
23 SA19-12580	18.9	16.8	13.1	13.3	17.0
24 SA19-20433	13.9	13.0	12.5	10.3	14.6
25 SA19-20828	15.8	15.2	14.5	12.0	15.5
26 SA19-7733	15.1	14.9	12.6	10.6	15.0
27 SA20-2430	14.8	13.7	13.0	9.9	14.7
28 SA20-3389	16.7	15.2	12.4	11.6	15.3

2023 SCN UNIFORM IV

Seed Quality (score)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	2.0	2.3	3.0	2.0	1.0
2 LD00-2817P (SCN)	2.0	1.7	2.0	2.0	1.0
3 LD07-3395bf (SCN)	2.0	2.3	3.0	3.0	1.0
4 JT22-4004	3.0	2.0	2.0	3.0	1.0
5 K17-6388	3.0	2.0	2.0	3.0	1.0
6 K18-1247	2.0	1.7	1.0	2.0	1.0
7 K18-1396	1.0	1.3	2.0	1.0	1.0
8 K20-1588	2.0	1.7	1.0	2.0	1.0
9 K20-4479	2.0	2.0	3.0	2.0	1.0
10 LD18-3068	2.0	2.0	2.0	3.0	1.0
11 LD18-7512	2.0	3.0	2.0	2.0	1.0
12 LD19-10076	1.0	1.7	3.0	3.0	1.0
13 LD19-10244	2.0	1.7	1.0	1.0	1.0
14 LD19-4657	2.0	2.0	3.0	2.0	1.0
15 LD20-6873	2.0	2.0	2.0	4.0	1.0
16 LD20-11622	1.0	1.7	3.0	1.0	1.0
17 LD20-11748	2.0	2.0	2.0	3.0	1.0
18 SA18-10815	2.0	2.0	2.0	3.0	1.0
19 SA18-12086	1.0	2.0	2.0	2.0	1.0
20 SA18-14143	1.0	2.0	2.0	3.0	1.0
21 SA18-9643	2.0	2.0	2.0	1.0	1.0
22 SA19-10248	2.0	2.7	3.0	2.0	1.0
23 SA19-12580	2.0	2.3	3.0	3.0	2.0
24 SA19-20433	1.0	2.0	2.0	3.0	1.0
25 SA19-20828	2.0	2.0	1.0	3.0	1.0
26 SA19-7733	2.0	2.7	2.0	2.0	1.0
27 SA20-2430	2.0	3.0	4.0	3.0	3.0
28 SA20-3389	2.0	2.0	2.0	1.0	1.0

2023 SCN UNIFORM IV

Protein (%)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	35.0	34.1	34.1	32.8	34.7
2 LD00-2817P (SCN)	33.5	35.6	33.5	32.1	33.5
3 LD07-3395bf (SCN)	33.3	34.1	34.5	32.8	32.1
4 JT22-4004	34.7	36.1	33.5	31.8	34.2
5 K17-6388	34.4	34.0	34.5	31.9	32.1
6 K18-1247	35.8	36.3	34.4	34.9	34.9
7 K18-1396	34.2	36.1	34.4	33.2	33.6
8 K20-1588	37.5	37.9	36.1	34.7	35.7
9 K20-4479	34.9	34.6	35.5	33.8	32.6
10 LD18-3068	36.4	36.7	35.5	33.3	35.0
11 LD18-7512	33.4	33.9	34.5	32.9	33.4
12 LD19-10076	34.8	36.4	35.9	32.8	33.2
13 LD19-10244	35.4	36.6	34.0	34.5	34.7
14 LD19-4657	35.5	34.5	34.3	32.2	33.0
15 LD20-6873	33.6	34.6	33.5	33.3	32.2
16 LD20-11622	35.3	35.9	34.3	32.7	34.4
17 LD20-11748	35.1	35.0	33.8	33.2	34.5
18 SA18-10815	35.7	35.8	34.4	33.6	35.2
19 SA18-12086	33.1	34.7	33.1	32.7	32.4
20 SA18-14143	35.0	34.5	34.6	33.1	33.0
21 SA18-9643	35.8	35.2	35.3	33.3	33.9
22 SA19-10248	36.5	36.0	34.5	33.1	35.6
23 SA19-12580	34.0	34.1	34.3	33.7	33.3
24 SA19-20433	33.5	32.0	32.8	32.6	32.9
25 SA19-20828	33.4	33.3	32.1	32.2	31.9
26 SA19-7733	34.4	35.4	33.7	32.1	34.1
27 SA20-2430	36.4	36.8	34.9	34.1	35.0
28 SA20-3389	35.3	35.7	34.5	34.1	33.6

2023 SCN UNIFORM IV

Oil (%)

SCN HG Type	Urbana	Portageville	Manhattan	Ottawa	Rock
	IL	MO	KS	KS	Port
	2.5.7	1.2.5.7	NI	NI	MO
Strain					
1 LD15-3818 (SCN)	18.9	19.1	20.0	21.1	18.6
2 LD00-2817P (SCN)	18.9	17.8	19.8	19.9	18.8
3 LD07-3395bf (SCN)	19.6	18.9	18.6	20.0	20.2
4 JT22-4004	18.1	18.3	18.8	20.1	17.3
5 K17-6388	17.4	19.0	18.2	20.0	18.8
6 K18-1247	17.1	17.6	17.9	18.2	17.8
7 K18-1396	18.6	18.3	18.9	19.7	18.6
8 K20-1588	18.4	18.4	18.7	18.9	19.2
9 K20-4479	18.9	19.9	18.2	19.4	19.5
10 LD18-3068	18.4	18.7	19.0	20.3	18.3
11 LD18-7512	19.9	19.3	20.1	20.2	18.6
12 LD19-10076	19.0	18.1	18.3	19.4	19.6
13 LD19-10244	18.0	17.5	19.5	18.9	18.8
14 LD19-4657	17.1	17.6	18.9	19.7	18.3
15 LD20-6873	17.3	17.0	19.3	19.7	18.6
16 LD20-11622	18.9	18.9	20.0	20.3	19.4
17 LD20-11748	19.2	19.3	20.2	20.7	19.4
18 SA18-10815	17.7	18.6	19.2	20.3	17.7
19 SA18-12086	19.1	19.4	19.7	20.7	19.0
20 SA18-14143	19.7	20.4	20.2	21.2	20.0
21 SA18-9643	18.7	18.7	19.8	20.8	19.1
22 SA19-10248	19.1	19.5	20.4	21.2	19.1
23 SA19-12580	19.1	18.4	19.1	19.4	19.0
24 SA19-20433	17.9	18.1	18.4	18.6	17.6
25 SA19-20828	20.0	19.7	20.4	20.7	19.3
26 SA19-7733	18.4	17.5	19.4	19.7	18.4
27 SA20-2430	18.2	18.0	18.7	19.1	18.6
28 SA20-3389	18.3	18.2	18.3	19.6	18.3