2022 SCN UNIFORM I

	Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Cooperator reported Traits	Cooperator reported SCN Resistance source
1	**MN1511CN**	PGbf	M06-288181 x M06-358188	4	F5		PI 88788
2	**ND Dickey (0)**	PGy	P.91M10 x Sheyenne	2	F4		None
3	**U11-917032 (SCN)**	PTbl	LD02-4485 x U03-100612	7	F6		PI 88788
4	**E15338**	PGibl	E09088 x E12901	4	F5		PI 88788
5	**E20078**	PLtbl	E14077 x AR09-191018	NEW	F5		PI88788 + Peking
6	**E20099**	PLt+Gbl/ibl	E14077 x AR09-191018	NEW	F5		PI88788 + Peking
7	**LD19-5366a**	WLtbl	LD12-6010a x M07-297007	NEW	F5	Rag 2	PI 88788
8	**M13-250046**	PGbf	M06-288190 x AR09-191018	2	F5		PI 88788
9	**M13-251003**	PGy	M06-289273 x AR09-291011	1	F5		PI 88788
10	**M13-262015**	PGbf	M03-172059 x LD08-12435a	2	F5		PI 88788
11	**M13-266011**	P+WGy	MN1505SP x LD10-5903a	2	F5	Rag 1	PI 88788
12	**M14-122031**	PTbr	M08-365038 x IA1026	1	F5		PI 88788
13	**M14-122035**	PTy	M08-365038 x IA1026	1	F5		PI 88788
14	**M15-159120**	WTgr	M07-292111 x MN0107	21SCN P I	F5	EARLYCN	PI 88788
15	**M15-179024**	WLt+Gy	ND10-3427 x M08-609011	21SCN P I	F5	IDC-SCN	PI 88788
16	**M16-116016**	WLt+Gy	M07-209037 x U11-917032	NEW	F7	YLD, SCN	PI 88788
17	**M16-134052**	WLt+Gy	M07-209037 x M09-285149	NEW	F7	SCN	PI 88788
18	**M16-214187**	PGbf	E12042 x M10-218053	NEW	F7	Aphid R, SCN	PI 88788
19	**M16-215143**	PGbf	LD10-5213a x M10-218053	NEW	F7	Aphid R, SCN	PI 88788
20	**M16-215179**	PTbr	LD10-5213a x M10-218053	NEW	F7	Aphid R, SCN	PI 88788
21	**M16-465-20078**	PTbl	MSC09-774074 x (M08-362045 X Williams 82T)	NEW		Triple NULL, SCN	PI567516C
22	**OAC 19-62C-SCN**	PLtgr	OAC Prescott x S23-T5	NEW	F5	SCN, yield	PI88788
23	**ORC 5120**	PGy	SC 5414N x U11-610107	NEW	F4	Conventional	PI 88788
24	**ORC 5420**	WGy	SC 5414N x AAC Malden	NEW	F4	Conventional	PI 88788
25	**U20-912087**	PGy	ORC_3713N x LD14-3702	NEW	F5		PI_88788
26	**U20-923006**	PLtbl	U14-910097 x U14-212231	NEW	F5	Rps	PI_88788, PI_437654

2022 SCN UNIFORM I

	MO SCN screening						SNP marker analysis				MN
	HG 7		HG 2.5.7		HG 1.2.5.7		SCN				IDC
Entry	FI	rating	FI	rating	FI	rating	Rhg1-88788	Rhg1-Peking	Rhg4		score
1 MN1511CN							**R**	S	**R**		1.8
2 ND Dickey (0)							S	S	S		2.3
3 U11-917032 (SCN)	28	****					**R**	S	S		3.0
4 E15338	9	**HR**					**R**	S	S		2.8
5 E20078	6	**HR**	0	**HR**	23	**R**	S	**R**	**R**		2.5
6 E20099	24	****	57	****	110	**NR**	no data				2.8
7 LD19-5366a	19	**R**					**R**	S	S		3.3
8 M13-250046	3	**HR**	1	**HR**	14	**R**	S	**R**	**R**		2.5
9 M13-251003	5	**HR**	84	**NR**	70	**NR**	**R**	S	S		2.3
10 M13-262015	12	**R**					**R**	S	S		3.5
11 M13-266011	87	**NR**					S	S	S		2.0
12 M14-122031	6	**HR**					**R**	S	S		3.5
13 M14-122035	4	**HR**	74	**NR**	89	**NR**	**R**	S	S		2.5
14 M15-159120	3	**HR**	79	**NR**	71	**NR**	**R**	S	S		2.5
15 M15-179024	5	**HR**					**R**	S	S		3.3
16 M16-116016	10	**HR**					**R**	S	S		2.8
17 M16-134052	3	**HR**					**R**	S	S		2.3
18 M16-214187	6	**HR**					**R**	S	S		2.3
19 M16-215143	11	**R**					.	S	S		3.5
20 M16-215179	8	**HR**					**R**	S	S		2.3
21 M16-465-20078	4	**HR**	80	**NR**	77	**NR**	**R**	S	S		1.3
22 OAC 19-62C-SCN	9	**HR**					**R**	S	S		3.5
23 ORC 5120	8	**HR**					**R**	S	S		4.0
24 ORC 5420	11	**R**					**R**	S	S		4.0
25 U20-912087	16	**R**					Het	.	S		4.0
26 U20-923006	97	**NR**	90	**NR**	95	**NR**	Het	S	**R**		3.5

(**)=rep data too variable to rate

Mean 2.9

CV 25.4

LSD 1.5

2022 SCN UNIFORM I

Predicted resistance genes based on SNP marker analysis

Entry	SCN	Iron Chlorosis	Phytophthora	Root Knot Nematode	Brown Stem Rot	Frogeye Leaf Spot	Stem Canker
1 MN1511CN	Rhg1_PI88788+Rhg4	R-(LgA1+LgN+Ch13)	Rps1c	S	Het	S	R
2 ND Dickey (0)		R-(LgA1+Ch13)	Rps1c	S	S	S	R
3 U11-917032 (SCN)	Rhg1_PI88788	R-Ch13		S	S	S	R
4 E15338	Rhg1_PI88788	R-(LgA1+LgN+Ch13)	Rps1k	S	R	S	R
5 E20078	Rhg1_Peking+Rhg4	R-(LgA1+LgN+Ch13)	Rps1a	S	Het	S	R
6 E20099	no marker data available			S			
7 LD19-5366a	Rhg1_PI88788	R-(LgN+Ch13)		S	S	S	R
8 M13-250046	Rhg1_Peking+Rhg4	R-(LgA1+Ch13)	Rps1c	S	R	S	R
9 M13-251003	Rhg1_PI88788	R-(LgA1+Ch13)		S	R	S	R
10 M13-262015	Rhg1_PI88788	R-Ch13	Rps1a	S	S	S	R
11 M13-266011	none	R-(LgA1+LgN)		S	R	S	R
12 M14-122031	Rhg1_PI88788	R-(LgA1+Ch13) + Het-LgN		S	Het	S	R
13 M14-122035	Rhg1_PI88788	R-(LgA1+LgN+Ch13)		S	R	S	R
14 M15-159120	Rhg1_PI88788	R-(LgA1+LgN+Ch13)		S	R	S	R
15 M15-179024	Rhg1_PI88788	R-Ch13	Rps6	S	R	S	R
16 M16-116016	Rhg1_PI88788	R-(LgA1+Ch13)		S	S	S	R
17 M16-134052	Rhg1_PI88788	R-Ch13		S	S	S	R
18 M16-214187	Rhg1_PI88788	R-Ch13		S	Het	S	R
19 M16-215143	Rhg1_PI88788	Het-LgN + R-Ch13		S	S	S	R
20 M16-215179	Rhg1_PI88788	R-Ch13		S	S	S	R
21 M16-465-20078	Rhg1_PI88788	R-Ch13		S	S	S	R
22 OAC 19-62C-SCN	Rhg1_PI88788	R-Ch13	Rps1c	S	S	S	R
23 ORC 5120	Rhg1_PI88788	R-Ch13		S	Het	S	R
24 ORC 5420	Rhg1_PI88788	R-LgN	Rps1c	S	S	S	R
25 U20-912087	Het-Rhg1_PI88788	Het-LgN + R-Ch13	Rps1a	S	Het	S	R
26 U20-923006	Het-Rhg1_PI88788,R-Rhg4	R-Ch13		S	S	S	R

2022 SCN UNIFORM I

2022 Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	weight	quality	protein	oil
	Entry	bu/a	rank	bu/a	rank	bu/a	rank	date	score	in.	g/100	score	@13%	@13%
	Locations	**9**		5		4		6	7	7	7	7	6	6
1	**MN1511CN**	**54.7**	**15**	55.1	17	54.4	14	9/17	1.2	31	16.1	1.3	34.3	19.0
2	**ND Dickey (0)**	**47.9**	**25**	48.8	26	46.9	24	-4	1.0	27	18.6	1.3	35.2	18.8
3	**U11-917032 (SCN)**	**56.5**	**13**	55.1	17	58.3	10	7	1.3	29	16.8	1.3	32.4	20.6
4	**E15338**	**56.7**	**11**	57.9	13	55.3	11	6	1.4	31	17.9	1.4	34.0	18.8
5	**E20078**	**62.2**	**6**	64.8	1	59.2	8	8	1.5	37	17.0	1.3	33.6	19.3
6	**E20099**	**63.0**	**2**	63.8	2	62.0	4	9	1.4	32	18.4	1.3	34.1	19.7
7	**LD19-5366a**	**62.4**	**5**	63.1	3	61.6	5	7	1.3	31	16.9	1.1	35.5	18.6
8	**M13-250046**	**53.2**	**17**	57.8	14	47.5	23	0	1.7	30	17.9	1.2	34.8	19.4
9	**M13-251003**	**52.8**	**18**	54.2	20	51.1	19	-1	1.2	32	17.9	1.7	35.0	18.3
10	**M13-262015**	**56.6**	**12**	58.0	12	55.1	12	8	1.1	28	15.9	1.3	32.8	20.1
11	**M13-266011**	**50.4**	**24**	52.4	21	48.1	22	2	1.0	29	20.2	1.3	36.5	18.1
12	**M14-122031**	**62.8**	**3**	62.6	4	63.2	3	6	1.1	29	17.9	1.5	34.6	19.1
13	**M14-122035**	**61.4**	**7**	62.2	7	60.6	7	8	1.1	32	18.5	1.5	34.9	19.3
14	**M15-159120**	**59.0**	**9**	59.6	8	58.4	9	5	1.1	29	15.7	1.4	35.0	18.4
15	**M15-179024**	**52.4**	**19**	54.4	19	50.1	20	2	1.2	29	16.6	1.8	35.6	18.6
16	**M16-116016**	**50.7**	**22**	49.0	25	53.0	15	5	1.0	27	17.2	1.6	32.5	20.3
17	**M16-134052**	**56.0**	**14**	59.1	10	52.2	17	2	1.3	30	18.7	1.3	33.9	19.6
18	**M16-214187**	**59.4**	**8**	58.4	11	60.9	6	3	1.3	28	17.3	1.5	33.8	18.7
19	**M16-215143**	**50.7**	**22**	52.1	22	49.1	21	4	1.3	28	18.5	1.4	35.3	18.9
20	**M16-215179**	**51.4**	**20**	50.9	23	52.3	16	0	1.2	26	17.5	1.3	34.8	19.1
21	**M16-465-20078**	**46.3**	**26**	49.4	24	42.6	26	0	1.1	26	19.1	1.3	33.9	19.3
22	**OAC 19-62C-SCN**	**57.4**	**10**	59.4	9	55.0	13	5	1.5	34	17.9	1.3	36.1	17.7
23	**ORC 5120**	**51.4**	**20**	55.5	15	46.5	25	4	1.6	34	19.4	1.3	34.9	18.7
24	**ORC 5420**	**53.7**	**16**	55.4	16	51.6	18	9	1.1	33	18.5	1.4	35.9	18.1
25	**U20-912087**	**62.8**	**3**	62.3	6	63.5	2	8	1.2	31	18.4	1.5	33.4	19.9
26	**U20-923006**	**63.2**	**1**	62.6	4	64.2	1	8	1.1	31	16.1	1.3	32.4	20.2
	Mean	**56.0**		57.1		54.7		4.4	1.3	30.1	17.7	1.4	34.4	19.2
	C.V. %	**14.5**		13.9		13.7								
	LSD(.05)	**4.4**		5.7		6.0								
	Replications	**22**		13		9								

2022 SCN UNIFORM I

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	weight	quality	protein	oil
	Entry	bu/a	rank	bu/a	rank	bu/a	rank	date	score	in.	g/100	score	@13%	@13%
	Locations	**16**		10		6		13	14	14	14	14	13	13
1	**MN1511CN**	**52.0**	**7**	50.9	8	53.7	6	9/16	1.4	35	15.5	1.3	34.4	19.0
2	**ND Dickey (0)**	**46.5**	**10**	45.3	10	48.5	10	-4	1.3	29	17.8	1.4	34.8	19.0
3	**U11-917032 (SCN)**	**55.8**	**4**	54.4	5	58.2	3	5	1.6	30	16.6	1.4	33.3	20.1
4	**E15338**	**56.4**	**3**	56.2	3	56.6	4	5	1.7	33	17.4	1.4	33.9	18.9
8	**M13-250046**	**51.0**	**8**	51.9	7	49.3	8	0	2.0	33	18.0	1.3	34.9	19.4
9	**M13-251003**	**52.3**	**6**	52.1	6	52.6	7	-1	1.5	34	17.2	1.8	34.9	18.4
10	**M13-262015**	**55.0**	**5**	54.8	4	55.3	5	7	1.3	30	15.5	1.4	32.8	19.7
11	**M13-266011**	**49.5**	**9**	49.7	9	49.1	9	2	1.2	31	19.9	1.4	36.4	18.2
12	**M14-122031**	**59.2**	**1**	57.4	2	62.2	1	6	1.4	31	17.6	1.6	34.7	19.3
13	**M14-122035**	**59.0**	**2**	57.9	1	60.9	2	7	1.5	33	18.2	1.5	35.0	19.4
	Mean	**53.7**		53.1		54.6		3.0	1.5	31.8	17.4	1.4	34.5	19.1

2022 SCN UNIFORM I

Yield (bu/a)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	47.7	41.1	65.1	54.1	65.5	68.9	76.3	42.8	32.7
2 ND Dickey (0)	35.4	38.5	56.5	45.5	66.5	59.9	60.6	42.0	28.2
3 U11-917032 (SCN)	49.4	53.4	59.6	50.0	61.4	83.1	74.1	44.5	34.6
4 E15338	50.5	48.9	62.4	48.7	77.3	73.0	72.1	43.2	36.1
5 E20078	59.6	72.4	61.0	53.1	75.9	75.8	68.6	55.0	40.4
6 E20099	56.3	63.0	61.1	59.7	77.4	83.2	85.0	43.0	40.1
7 LD19-5366a	56.6	58.1	69.4	49.5	80.5	81.2	76.6	55.1	36.6
8 M13-250046	45.3	56.3	59.0	60.9	65.8	61.4	57.4	36.5	37.8
9 M13-251003	37.0	46.5	60.2	55.2	70.6	68.1	53.2	50.1	36.1
10 M13-262015	49.6	53.4	66.2	51.7	67.4	81.1	68.9	41.9	31.6
11 M13-266011	44.6	42.8	58.5	44.6	74.9	68.2	60.4	38.0	29.0
12 M14-122031	53.9	66.4	64.6	52.8	73.8	82.9	77.6	52.7	42.9
13 M14-122035	54.5	56.1	60.8	54.8	83.3	83.8	73.1	54.3	34.3
14 M15-159120	54.9	56.9	54.9	59.3	61.8	76.7	71.2	52.0	36.8
15 M15-179024	41.5	41.7	68.3	48.4	70.3	73.6	60.8	38.0	31.0
16 M16-116016	32.7	44.9	52.1	46.7	66.7	81.5	64.5	38.4	30.9
17 M16-134052	54.0	50.5	56.9	47.1	85.4	73.0	61.2	38.2	39.5
18 M16-214187	51.0	49.0	58.5	53.0	78.9	84.7	73.4	50.7	37.8
19 M16-215143	40.1	45.3	56.1	46.0	71.1	72.5	64.1	33.1	29.9
20 M16-215179	38.7	46.8	55.2	46.4	65.6	71.7	66.4	42.0	32.2
21 M16-465-20078	33.7	48.3	51.1	45.1	60.4	46.7	45.4	49.7	31.7
22 OAC 19-62C-SCN	49.5	44.0	67.2	56.8	77.7	75.1	61.7	51.3	35.0
23 ORC 5120	42.2	27.0	58.4	54.3	80.1	55.0	53.0	41.5	39.5
24 ORC 5420	37.5	43.4	64.1	51.9	78.5	69.6	66.5	41.9	31.7
25 U20-912087	46.5	50.9	69.1	58.8	84.2	87.3	83.0	53.6	33.3
26 U20-923006	52.6	64.4	62.3	53.4	78.5	93.7	84.2	49.7	32.3
Mean	46.7	50.4	60.7	51.8	73.0	74.3	67.7	45.4	34.7
C.V. %	11.8	18.6	11.7	12.1	9.4	8.3	7.7	14.3	10.1
LSD(2-sided,.05)	11.3	15.4	11.8	10.2	14.2	15.1	12.8	13.3	5.8
Replications	2	3	3	3	2	2	2	2	3
Row spacing (in.)	30	30	30	30	17	30	30	13	13

2022 SCN UNIFORM I

Yield (rank)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	14	24	6	9	23	20	6	15	16
2 ND Dickey (0)	24	25	21	24	20	24	21	16	26
3 U11-917032 (SCN)	13	10	15	16	25	6	7	12	13
4 E15338	10	14	9	18	11	16	10	13	10
5 E20078	1	1	12	11	12	12	13	2	2
6 E20099	3	4	11	2	10	5	1	14	3
7 LD19-5366a	2	5	1	17	4	9	5	1	9
8 M13-250046	16	7	16	1	21	23	23	25	6
9 M13-251003	23	17	14	6	16	22	24	9	10
10 M13-262015	11	9	5	15	18	10	12	18	21
11 M13-266011	17	22	18	26	13	21	22	23	25
12 M14-122031	7	2	7	13	14	7	4	5	1
13 M14-122035	5	8	13	7	3	4	9	3	14
14 M15-159120	4	6	24	3	24	11	11	6	8
15 M15-179024	19	23	3	19	17	14	20	23	22
16 M16-116016	26	19	25	21	19	8	16	21	23
17 M16-134052	6	12	20	20	1	15	19	22	4
18 M16-214187	9	13	17	12	6	3	8	8	6
19 M16-215143	20	18	22	23	15	17	17	26	24
20 M16-215179	21	16	23	22	22	18	15	16	18
21 M16-465-20078	25	15	26	25	26	26	26	10	19
22 OAC 19-62C-SCN	12	20	4	5	9	13	18	7	12
23 ORC 5120	18	26	19	8	5	25	25	20	4
24 ORC 5420	22	21	8	14	7	19	14	18	19
25 U20-912087	15	11	2	4	2	2	3	4	15
26 U20-923006	8	3	10	10	7	1	2	10	17

2022 SCN UNIFORM I

Maturity

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	9/04			9/25	9/10		9/17	9/24	9/22
2 ND Dickey (0)	-5			-7	0		-7	-4	-3
3 U11-917032 (SCN)	10			4	12		3	3	10
4 E15338	7			1	8		2	8	9
5 E20078	9			2	13		4	9	10
6 E20099	13			3	11		8	10	10
7 LD19-5366a	9			1	9		3	9	10
8 M13-250046	-1			-2	5		-2	-1	-1
9 M13-251003	-7			-2	3		-2	-3	4
10 M13-262015	10			3	12		3	11	10
11 M13-266011	5			-3	7		1	0	4
12 M14-122031	9			1	11		3	4	8
13 M14-122035	11			2	13		5	8	8
14 M15-159120	9			-3	11		1	4	8
15 M15-179024	5			-2	9		-1	3	1
16 M16-116016	7			-2	9		3	8	6
17 M16-134052	6			-5	7		-1	1	6
18 M16-214187	8			-2	8		3	-2	2
19 M16-215143	8			0	10		2	-1	6
20 M16-215179	0			-4	4		-1	-2	2
21 M16-465-20078	0			-2	5		-3	-1	-1
22 OAC 19-62C-SCN	6			-3	10		1	5	9
23 ORC 5120	4			-3	10		3	1	10
24 ORC 5420	8			2	17		5	10	10
25 U20-912087	9			3	14		4	9	10
26 U20-923006	8			3	15		5	9	10
Planted	5/17	5/10	5/24	6/02	5/25	5/28	5/28	5/20	6/02

2022 SCN UNIFORM I

Lodging (score)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	1.0		1.3	2.0	1.0		1.0	1.0	1.0
2 ND Dickey (0)	1.0		1.0	1.3	1.0		1.0	1.0	1.0
3 U11-917032 (SCN)	1.3		1.7	2.0	1.0		1.0	1.0	1.0
4 E15338	1.3		1.7	2.3	1.5		1.0	1.0	1.0
5 E20078	1.5		2.0	2.3	1.5		1.0	1.0	1.0
6 E20099	1.0		2.0	2.3	1.5		1.0	1.0	1.0
7 LD19-5366a	1.3		1.7	1.7	1.5		1.0	1.0	1.0
8 M13-250046	1.5		2.0	3.0	2.0		1.5	1.0	1.0
9 M13-251003	1.0		1.0	2.3	1.0		1.0	1.0	1.0
10 M13-262015	1.0		1.3	1.3	1.0		1.0	1.0	1.0
11 M13-266011	1.0		1.0	1.3	1.0		1.0	1.0	1.0
12 M14-122031	1.0		1.3	1.7	1.0		1.0	1.0	1.0
13 M14-122035	1.0		1.0	2.0	1.0		1.0	1.0	1.0
14 M15-159120	1.0		1.0	1.7	1.0		1.0	1.0	1.0
15 M15-179024	1.3		1.3	2.0	1.0		1.0	1.0	1.0
16 M16-116016	1.0		1.3	1.0	1.0		1.0	1.0	1.0
17 M16-134052	1.0		1.7	1.7	1.5		1.0	1.0	1.0
18 M16-214187	1.3		2.0	1.7	1.0		1.0	1.0	1.0
19 M16-215143	1.0		1.7	1.7	1.5		1.0	1.0	1.0
20 M16-215179	1.0		1.7	2.0	1.0		1.0	1.0	1.0
21 M16-465-20078	1.0		1.0	1.7	1.0		1.0	1.0	1.0
22 OAC 19-62C-SCN	1.5		1.7	2.7	1.5		1.0	1.0	1.0
23 ORC 5120	1.5		2.0	1.9	1.5		2.5	1.0	1.0
24 ORC 5420	1.0		1.3	1.7	1.0		1.0	1.0	1.0
25 U20-912087	1.0		2.0	1.7	1.0		1.0	1.0	1.0
26 U20-923006	1.0		1.3	1.3	1.0		1.0	1.0	1.0

2022 SCN UNIFORM I

Height (inches)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	29		35	33	28		35	25	30
2 ND Dickey (0)	26		30	28	26		30	20	25
3 U11-917032 (SCN)	28		33	31	26		32	24	28
4 E15338	29		33	33	31		34	28	29
5 E20078	37		42	41	31		39	32	36
6 E20099	31		37	32	31		39	26	29
7 LD19-5366a	30		36	30	32		34	26	29
8 M13-250046	29		34	31	27		32	25	29
9 M13-251003	29		34	35	28		43	24	26
10 M13-262015	27		32	28	28		33	23	26
11 M13-266011	28		36	31	27		32	23	26
12 M14-122031	31		33	31	28		30	23	29
13 M14-122035	32		34	33	31		35	24	27
14 M15-159120	30		33	27	29		32	26	28
15 M15-179024	30		33	30	30		30	20	25
16 M16-116016	24		31	31	26		30	23	29
17 M16-134052	29		36	31	30		29	23	28
18 M16-214187	28		32	27	26		32	21	27
19 M16-215143	26		31	31	26		33	21	27
20 M16-215179	24		31	30	24		29	21	28
21 M16-465-20078	24		29	27	26		27	21	27
22 OAC 19-62C-SCN	32		38	33	35		38	29	29
23 ORC 5120	31		38	36	32		36	29	30
24 ORC 5420	27		38	37	31		33	29	30
25 U20-912087	28		36	30	31		34	26	29
26 U20-923006	29		35	31	30		37	25	27

2022 SCN UNIFORM I

Seed Weight (g/100)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	15.7		15.9	16.1	15.2		15.7	17.8	12.5
2 ND Dickey (0)	17.2		18.1	19.0	17.2		18.3	21.9	15.9
3 U11-917032 (SCN)	16.3		16.1	16.5	16.5		16.1	19.1	14.1
4 E15338	17.8		18.0	17.6	16.2		18.1	19.8	14.4
5 E20078	16.1		15.2	17.0	17.0		17.2	19.5	15.2
6 E20099	19.0		17.2	17.8	17.2		19.1	19.9	17.7
7 LD19-5366a	16.6		17.1	16.7	16.3		16.1	18.3	15.0
8 M13-250046	16.0		17.8	17.8	17.5		18.5	19.8	15.4
9 M13-251003	17.2		17.9	17.4	17.3		17.2	20.2	14.6
10 M13-262015	15.3		16.1	15.5	16.4		15.5	16.3	13.2
11 M13-266011	20.7		20.0	18.8	20.5		20.0	21.5	15.5
12 M14-122031	17.3		17.0	17.3	18.1		16.9	20.6	16.1
13 M14-122035	18.7		16.3	19.4	18.0		17.3	21.3	15.1
14 M15-159120	15.4		14.9	16.4	15.4		15.2	17.0	13.8
15 M15-179024	15.8		16.5	17.1	15.5		16.8	17.8	12.5
16 M16-116016	17.4		17.4	16.6	16.4		16.9	18.3	13.7
17 M16-134052	17.4		17.8	19.1	18.3		18.7	20.7	15.5
18 M16-214187	17.2		17.5	17.9	16.4		16.3	18.8	12.8
19 M16-215143	18.0		18.6	18.0	18.4		18.7	19.5	15.5
20 M16-215179	15.8		18.0	18.0	16.2		17.4	19.3	15.3
21 M16-465-20078	18.8		19.1	19.0	18.3		19.0	20.3	15.3
22 OAC 19-62C-SCN	16.5		17.4	18.2	17.6		17.1	20.5	15.5
23 ORC 5120	19.6		18.0	19.7	19.4		18.8	20.8	17.3
24 ORC 5420	17.9		17.1	17.4	18.4		20.0	20.3	17.7
25 U20-912087	17.4		17.5	18.4	18.4		18.4	20.4	16.8
26 U20-923006	15.4		14.8	15.9	16.1		16.1	18.2	13.7

2022 SCN UNIFORM I

Seed Quality (score)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	2.0		1.0	1.0	1.0		1.0	1.5	1.0
2 ND Dickey (0)	2.0		1.0	1.0	1.0		1.0	2.0	1.5
3 U11-917032 (SCN)	2.0		1.0	1.0	1.0		1.0	2.0	1.5
4 E15338	2.0		1.0	1.0	1.0		1.0	2.5	1.5
5 E20078	2.0		1.0	1.0	1.0		1.0	2.0	1.5
6 E20099	2.0		1.0	1.0	1.0		1.0	1.5	1.0
7 LD19-5366a	1.0		1.0	1.0	1.0		1.0	1.5	1.5
8 M13-250046	1.0		1.0	1.0	1.0		1.0	2.0	1.0
9 M13-251003	3.0		2.0	1.0	1.0		1.0	2.0	1.5
10 M13-262015	2.0		1.0	1.0	1.0		1.0	2.0	1.5
11 M13-266011	2.0		1.0	1.0	1.0		1.0	2.0	1.0
12 M14-122031	2.0		1.0	1.0	1.0		1.0	3.0	2.0
13 M14-122035	2.0		1.0	1.0	1.0		1.0	3.0	1.0
14 M15-159120	2.0		1.0	1.0	1.0		1.0	2.5	1.0
15 M15-179024	3.0		1.0	2.0	1.0		1.0	2.5	1.5
16 M16-116016	3.0		1.0	1.0	1.0		1.0	2.5	1.0
17 M16-134052	2.0		1.0	1.0	1.0		1.0	1.5	1.0
18 M16-214187	2.0		1.0	1.0	1.0		1.0	3.0	1.0
19 M16-215143	2.0		1.0	1.0	1.0		1.0	2.5	1.5
20 M16-215179	2.0		1.0	1.0	1.0		1.0	2.0	1.0
21 M16-465-20078	2.0		1.0	1.0	1.0		1.0	2.0	1.0
22 OAC 19-62C-SCN	2.0		1.0	1.0	1.0		1.0	2.0	1.0
23 ORC 5120	2.0		1.0	1.0	1.0		1.0	2.0	1.5
24 ORC 5420	3.0		1.0	1.0	1.0		1.0	1.5	1.0
25 U20-912087	2.0		2.0	1.0	1.0		1.0	2.0	1.5
26 U20-923006	2.0		1.0	1.0	1.0		1.0	1.5	1.5

2022 SCN UNIFORM I

Protein (%)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	34.2		.	32.5			34.6	35.5	34.7
2 ND Dickey (0)	35.3		34.8	34.1			34.1	36.2	36.4
3 U11-917032 (SCN)	32.9		33.5	31.1			31.0	33.3	32.5
4 E15338	34.7		33.9	33.1			34.0	34.7	33.8
5 E20078	33.1		33.9	32.6			33.4	34.5	34.2
6 E20099	33.6		33.7	33.9			34.4	34.5	34.3
7 LD19-5366a	35.5		35.1	34.3			35.0	36.7	36.3
8 M13-250046	34.0		34.6	34.6			34.4	35.4	35.8
9 M13-251003	34.9		34.1	34.1			35.6	36.2	35.1
10 M13-262015	33.2		33.0	31.1			31.9	33.5	34.1
11 M13-266011	37.8		36.8	33.8			35.9	37.0	38.0
12 M14-122031	33.6		35.1	33.6			33.6	36.3	35.7
13 M14-122035	34.7		35.1	33.1			34.1	36.5	35.6
14 M15-159120	35.4		34.3	35.7			33.9	35.8	34.9
15 M15-179024	35.4		35.6	35.7			35.3	36.1	35.6
16 M16-116016	33.2		33.0	29.8			32.9	33.3	32.7
17 M16-134052	33.6		34.2	31.8			34.0	36.0	33.5
18 M16-214187	33.7		33.6	34.1			32.5	34.6	34.1
19 M16-215143	35.0		35.7	34.7			35.8	36.2	34.6
20 M16-215179	33.2		34.6	34.8			35.8	35.8	34.8
21 M16-465-20078	34.4		34.2	32.1			34.2	35.1	33.3
22 OAC 19-62C-SCN	35.1		36.2	37.0			35.1	37.4	35.9
23 ORC 5120	35.1		34.5	34.2			34.8	35.9	35.2
24 ORC 5420	35.6		35.2	34.6			35.7	36.7	37.2
25 U20-912087	33.8		34.1	30.5			33.3	34.8	34.1
26 U20-923006	31.8		33.3	30.9			31.1	33.4	33.6

2022 SCN UNIFORM I

Oil (%)

	Urbana	Decatur	Lamberton	Rosemount	Palmrya	Cotesfield	Mead	St. Pauls	Woodstock
	IL	MI	MN	MN	ON	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	NI	NI	NI	NI
Strain									
1 MN1511CN	19.3		.	20.1			18.6	17.9	18.9
2 ND Dickey (0)	19.3		18.4	19.1			20.1	17.8	18.3
3 U11-917032 (SCN)	21.2		20.4	20.6			21.6	19.9	20.2
4 E15338	19.2		18.8	19.5			19.2	17.6	18.8
5 E20078	19.9		19.1	19.5			19.9	18.1	19.2
6 E20099	20.6		19.7	19.6			19.6	19.3	19.3
7 LD19-5366a	18.6		19.0	19.1			18.9	17.8	18.4
8 M13-250046	20.4		19.5	19.0			20.2	18.4	18.8
9 M13-251003	18.9		18.5	18.4			18.5	16.9	18.4
10 M13-262015	20.0		19.8	21.0			20.7	19.5	19.6
11 M13-266011	17.9		18.2	19.7			18.2	17.1	17.6
12 M14-122031	19.6		19.1	20.1			19.5	18.2	18.2
13 M14-122035	20.3		19.3	20.4			19.2	18.0	18.8
14 M15-159120	18.7		19.1	17.7			18.9	17.7	18.3
15 M15-179024	19.3		18.4	18.7			18.8	18.0	18.3
16 M16-116016	21.3		19.7	21.3			19.7	19.6	20.1
17 M16-134052	20.2		19.2	20.4			19.5	18.6	19.5
18 M16-214187	19.3		19.3	18.4			19.1	17.7	18.7
19 M16-215143	19.5		19.3	18.6			18.9	18.0	19.3
20 M16-215179	20.6		18.8	19.0			18.4	18.1	19.6
21 M16-465-20078	19.5		19.3	19.9			19.1	17.9	19.8
22 OAC 19-62C-SCN	17.9		17.7	17.5			18.6	16.5	17.8
23 ORC 5120	19.3		19.6	19.1			19.0	17.7	17.7
24 ORC 5420	18.6		18.3	18.8			18.5	17.1	17.6
25 U20-912087	20.8		19.8	20.9			20.1	18.5	19.0
26 U20-923006	20.9		19.7	20.5			20.9	19.3	19.8