

2023 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	5	F5		Rhg1 PI 88788+Rhg4
2 ND Dickey (0)	PGy	P.91M10 x Sheyenne	3	F4		None
3 U11-917032 (SCN)	PTbl	LD02-4485 x U03-100612	8	F6		Rhg1 PI 88788
4 E15338	PGibl	E09088 x E12901	5	F5		Rhg1 PI 88788
5 E20078	PLtbl	E14077 x AR09-191018	1	F5		Rhg1 Peking+Rhg4
6 E21100	PGg	LD10-10198 x E14077	New	F5		PI 88788
7 E21270	PGbf	LD02-4485 x Dennison F2:3_14-19	New	F5		PI 88788
8 LD18-4490	PGy	U11-616086 x M08-362051	22 UT I	F5		Rhg1 PI 88788
9 LD18-4787F	WGbf	U11-932025 x LD13-5131a	New	F5		88788
10 M13-262015	PGbf	M03-172059 x LD08-12435a	3	F5	Aphid R, SCN	Rhg1 PI 88788
11 M14-122031	PTbr	M08-365038 x IA1026	2	F5	Yield, SCN	Rhg1 PI 88788
12 M14-122035	PTy	M08-365038 x IA1026	2	F5	Yield, SCN	Rhg1 PI 88788
13 M15-159120	WTgr	M07-292111 x MN0107	1	F5	SCN	Rhg1 PI 88788
14 M16-134052	WGy	M07-209037 x M09-285149	1	F7	SCN	Rhg1 PI 88788
15 M16-214187	PGbf	E12042 x M10-218053	1	F7	SCN	Rhg1 PI 88788
16 M17-157033	PTbl/br	M11-271059 x M10-186021	New		Yield, SCN	PI88788
17 M17-188023	PMibl/bl/br/ly	MSC09-777143 x U11-917032	New		SCN Novel	PI88788, PI438489B
18 M17-188033	PTbl	MSC09-777143 x U11-917032	New		SCN Novel	PI88788, PI438489B
19 M17-188071	PGibl	MSC09-777143 x U11-917032	New		SCN Novel	PI88788, PI438489B
20 M17-189008	PTy	MSC09-777143 x M09-278096	New		SCN Novel	PI88788, PI438489B
21 M17-295092	PGbf	M09-278026 x M10-242042	New		DivCN	PI88788
22 MCH17-315037	PMY	M10-186021 x M07-260009	New		Yield, SCN	PI88788
23 MCH17-316003	PGy	M09-285032 x MSC10-567015	New		DIVRhizoc	PI88788
24 MCH17-316070	P+WGibl/bf	M09-285032 x MSC10-567015	New		DIVRhizoc	PI88788
25 OAC 18-63C-SCN	PGy	S23-T5 x Sheyene	New	F5		PI88788
26 OAC 19-61C-SCN	PGy	OAC Prescott x S23-T5	New	F5		PI88788
27 ORC 6922	PGy	OAC Thamesville x SC 8515N	New	F4		PI 88788
28 ORC 7322	WGy	SC 3116N x SC 3313N	New	F4		PI 88788
29 ORC 7422	WGy	OAC Brooke x SC 8415N	New	F4		PI 88788
30 U20-912087	PGy	ORC 3713N x LD14-3702	1	F5		Het-Rhg1 PI 88788
31 U20-923006	PLtbl	U14-910097 x U14-212231	1	F5	Rps	Het-Rhg1 PI 88788, R-Rhg4

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Entry	MO SCN screening						SNP marker analysis			Root Knot	MN
	HG 7		HG 2.5.7		HG 1.2.5.7		SCN			Nematode	IDC
	FI	rating	FI	rating	FI	rating	Rhg1-88788	Rhg1-Peking	Rhg4		score
1 MN1511CN	11	R	91	NR	80	NR	R	S	Het	S	2.0
2 ND Dickey (0)	no data						S	S	S	S	2.0
3 U11-917032 (SCN)	23	**					Het	S	S	S	2.3
4 E15338	13	R	90	NR			R	S	S	S	2.5
5 E20078	7	HR	2	HR	15	R	S	R	R	S	2.5
6 E21100	22	**					R	S	S	S	2.8
7 E21270	16	R					Het	S	S	S	1.8
8 LD18-4490	8	HR	95	NR			R	S	S	S	3.3
9 LD18-4787F	65	**					Het	S	S	S	2.0
10 M13-262015	12	R	93	NR			R	S	S	S	3.0
11 M14-122031	6	HR	89	NR			R	S	S	S	2.0
12 M14-122035	4	HR					R	S	S	S	2.3
13 M15-159120	3	HR					R	S	S	S	2.3
14 M16-134052	3	HR	94	NR			R	S	S	S	2.0
15 M16-214187	6	HR	89	NR			R	S	S	S	2.3
16 M17-157033	24	R					R	S	S	S	1.0
17 M17-188023	17	R	95	NR	84	NR	Het	S	S	S	2.3
18 M17-188033	12	R	79	NR	68	NR	R	S	S	S	2.8
19 M17-188071	8	HR	74	NR	68	NR	R	S	S	S	2.8
20 M17-189008	10	HR	96	NR	77	NR	R	S	S	S	1.5
21 M17-295092	29	**					Het	S	S	-	2.3
22 MCH17-315037	44	**					Het	S	S	S	1.8
23 MCH17-316003	6	HR					R	S	S	S	2.8
24 MCH17-316070	12	R					Het	Het	-	S	2.3
25 OAC 18-63C-SCN	18	R					Het	S	S	S	2.0
26 OAC 19-61C-SCN	17	R					Het	S	S	S	2.0
27 ORC 6922	28	MR					R	S	S	S	2.3
28 ORC 7322	19	R					R	S	S	S	3.5
29 ORC 7422	26	**					R	S	S	S	2.3
30 U20-912087	16	R	79	NR			Het	S	S	S	2.3
31 U20-923006	97	NR	90	NR	95	NR	Het	S	R	S	3.0

(**)=rep data too variable to rate

(-)=missing data

Mean 2.3

Italic=2022 data

CV 16.2

LSD 0.8

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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 MN1511CN	R	R	R	S	R	S	S	S	S	S	Het	S	R
2 ND Dickey (0)	R	S	R	S	R	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 E15338	R	R	R	S	S	S	R	S	S	S	R	S	R
5 E20078	R	R	R	R	S	S	S	S	S	S	-	S	R
6 E21100	R	R	R	S	S	S	S	S	S	S	R	S	R
7 E21270	R	S	R	S	Het	S	S	S	S	S	S	S	R
8 LD18-4490	S	S	R	S	S	S	S	S	S	S	S	S	R
9 LD18-4787F	R	S	R	S	S	S	S	S	S	S	R	S	R
10 M13-262015	-	S	R	R	S	S	S	S	S	S	S	S	R
11 M14-122031	R	Het	R	S	S	S	S	S	S	S	Het	S	R
12 M14-122035	R	R	R	S	S	S	S	S	S	S	R	S	R
13 M15-159120	R	R	R	S	S	S	S	S	S	S	R	S	R
14 M16-134052	S	S	R	S	S	S	S	S	S	S	S	S	R
15 M16-214187	S	S	R	S	S	S	-	S	S	S	Het	S	R
16 M17-157033	Het	Het	R	S	S	S	S	S	S	S	S	S	R
17 M17-188023	Het	Het	R	S	S	S	Het	S	S	S	Het	S	R
18 M17-188033	Het	Het	R	S	S	S	S	S	S	S	-	S	R
19 M17-188071	S	S	R	S	S	S	S	S	S	S	S	S	R
20 M17-189008	R	S	R	S	S	S	S	S	S	S	S	S	R
21 M17-295092	Het	Het	R	S	R	S	S	S	S	S	Het	S	R
22 MCH17-315037	R	S	R	S	S	S	S	S	S	S	S	S	R
23 MCH17-316003	Het	Het	R	S	Het	S	S	S	S	S	Het	S	-
24 MCH17-316070	S	Het	R	Het	Het	S	S	S	S	S	Het	S	-
25 OAC 18-63C-SCN	Het	Het	R	S	-	S	S	S	S	S	S	S	R
26 OAC 19-61C-SCN	S	S	Het	S	Het	S	S	S	S	S	Het	S	R
27 ORC 6922	R	R	R	S	S	S	S	S	R	S	S	S	R
28 ORC 7322	S	S	R	S	S	S	S	S	S	Het	R	S	R
29 ORC 7422	R	S	-	S	S	S	S	S	R	S	S	S	R
30 U20-912087	S	R	R	R	S	S	S	S	S	S	R	S	R
31 U20-923006	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 MN1511CN	Rhg1_PI88788+Het-Rhg4_Peking	LgA+LgN+Ch13	Rps1c
2 ND Dickey (0)	None	LgA+Ch13	Rps1c
3 U11-917032 (SCN)	Het-Rhg1_PI88788	H-LgA+Ch13	
4 E15338	Rhg1_PI88788	LgA+LgN+Ch13	Rps1k
5 E20078	Rhg1_Peking+Rhg4_Peking	LgA+LgN+Ch13	Rps1a
6 E21100	Rhg1_PI88788	LgA+LgN+Ch13	
7 E21270	Het-Rhg1_PI88788	LgA+Ch13	H-Rps1c
8 LD18-4490	Rhg1_PI88788	Ch13	
9 LD18-4787F	Het-Rhg1_PI88788	LgA+Ch13	
10 M13-262015	Rhg1_PI88788	R-Ch13	Rps1a
11 M14-122031	Rhg1_PI88788	R-(LgA1+Ch13) + Het-LgN	
12 M14-122035	Rhg1_PI88788	R-(LgA1+LgN+Ch13)	
13 M15-159120	Rhg1_PI88788	R-(LgA1+LgN+Ch13)	
14 M16-134052	Rhg1_PI88788	R-Ch13	
15 M16-214187	Rhg1_PI88788	R-Ch13	?
16 M17-157033	Rhg1_PI88788	H-LgA+H-LgN+Ch13	
17 M17-188023	Het-Rhg1_PI88788	H-LgA+H-LgN+Ch13	H-Rps1k
18 M17-188033	Rhg1_PI88788	H-LgA+H-LgN+Ch13	
19 M17-188071	Rhg1_PI88788	Ch13	
20 M17-189008	Rhg1_PI88788	LgA+Ch13	
21 M17-295092	Het-Rhg1_PI88788	H-LgA+H-LgN+Ch13	Rps1c
22 MCH17-315037	Het-Rhg1_PI88788	LgA+Ch13	
23 MCH17-316003	Rhg1_PI88788	H-LgA+H-LgN+Ch13	H-Rps1c
24 MCH17-316070	Het-Rhg1_PI88788&Peking	H-LgN+Ch13	H-Rps1a+H-Rps1c
25 OAC 18-63C-SCN	Het-Rhg1_PI88788	H-LgA+H-LgN+Ch13	
26 OAC 19-61C-SCN	Het-Rhg1_PI88788	H-Ch13	H-Rps1c
27 ORC 6922	Rhg1_PI88788	LgA+LgN+Ch13	Rps3a
28 ORC 7322	Rhg1_PI88788	Ch13	H-Rps6
29 ORC 7422	Rhg1_PI88788	LgA	Rps3a
30 U20-912087	Het-Rhg1_PI88788	LgN+Ch13	Rps1a
31 U20-923006	Het-Rhg1_PI88788,R-Rhg4	R-Ch13	

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2023 Summary

2020 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							
		11		7		4		9		8		9		9
1	MN1511CN	52.9	26	54.5	27	49.7	19	9/15	1.7	37	14.9	1.7	34.7	18.9
2	ND Dickey (0)	47.8	30	48.8	31	45.7	26	-4.2	1.3	30	17.8	1.6	35.7	18.8
3	U11-917032 (SCN)	59.3	6	61.0	10	56.0	3	6.0	1.6	32	16.5	1.4	34.0	19.8
4	E15338	58.8	8	61.4	8	53.6	5	4.5	1.8	34	16.7	1.7	34.5	18.8
5	E20078	60.1	3	64.5	2	51.9	10	5.6	1.9	39	16.1	1.4	34.6	19.1
6	E21100	62.0	1	64.4	3	56.7	1	6.4	1.3	34	16.9	1.4	33.6	18.9
7	E21270	54.1	21	57.0	22	48.5	22	7.1	1.8	37	14.6	1.3	33.0	19.7
8	LD18-4490	56.5	15	58.4	18	52.5	8	5.1	1.5	31	14.6	1.6	33.9	19.4
9	LD18-4787F	53.4	24	57.6	20	45.4	28	7.1	1.4	29	17.0	1.6	34.9	18.2
10	M13-262015	57.6	12	61.1	9	51.5	12	7.5	1.3	32	14.8	1.4	33.5	19.8
11	M14-122031	61.4	2	66.3	1	52.7	7	4.7	1.4	33	16.8	1.7	35.1	19.4
12	M14-122035	59.4	5	64.0	4	50.9	14	6.3	1.4	34	17.3	1.7	35.2	19.5
13	M15-159120	56.2	16	59.1	16	50.8	15	3.1	1.3	33	14.7	1.6	35.2	18.8
14	M16-134052	53.9	22	58.4	19	45.5	27	2.9	1.5	34	17.2	1.7	34.9	19.1
15	M16-214187	60.1	3	62.0	7	56.2	2	3.1	1.7	31	15.9	1.7	33.9	19.4
16	M17-157033	52.2	27	54.4	28	47.8	23	2.6	1.9	35	15.7	1.4	34.3	19.5
17	M17-188023	57.1	14	60.5	13	50.7	17	3.4	2.0	32	16.1	1.7	34.5	19.7
18	M17-188033	55.0	18	59.1	16	47.3	24	3.8	1.9	32	14.8	1.6	33.6	20.4
19	M17-188071	58.1	11	61.0	10	52.9	6	6.2	1.7	34	15.7	1.8	33.2	20.3
20	M17-189008	54.9	19	59.4	15	46.8	25	4.3	2.1	35	14.5	1.6	33.4	20.2
21	M17-295092	47.5	31	50.5	30	42.1	30	0.4	1.6	35	17.7	1.8	36.7	19.0
22	MCH17-315037	54.2	20	56.0	24	50.8	15	6.2	1.6	36	15.8	1.4	33.7	19.4
23	MCH17-316003	48.8	29	52.8	29	41.4	31	3.2	1.9	35	16.7	1.9	35.9	18.3
24	MCH17-316070	53.0	25	55.2	26	48.9	21	4.8	2.2	36	16.3	1.8	35.0	19.4
25	OAC 18-63C-SCN	51.7	28	56.1	23	43.7	29	1.8	1.7	38	17.5	1.7	35.9	18.5
26	OAC 19-61C-SCN	53.4	23	55.6	25	49.5	20	4.6	1.3	35	18.5	1.6	35.5	19.0
27	ORC 6922	58.5	9	62.4	6	51.4	13	8.5	1.4	36	20.7	1.6	36.2	18.8
28	ORC 7322	58.3	10	62.9	5	49.9	18	9.8	1.6	36	22.1	1.7	36.1	18.1
29	ORC 7422	57.3	13	60.3	14	51.7	11	6.7	1.8	35	20.7	1.4	36.4	17.8
30	U20-912087	55.8	17	57.4	21	52.3	9	6.5	1.3	32	17.2	1.4	34.3	19.8
31	U20-923006	59.2	7	60.9	12	55.8	4	6.1	1.3	35	14.6	1.5	32.8	20.2
Mean		55.7		58.8		50.0		4.8	1.6	33.6	16.7	1.6	34.7	19.2
C.V. %		12.2		11.9		11.1		10.3	28.3	7.4				
LSD(.05)		3.3		4.2		4.5		1.1	0.2	1.4				
Replications		29		19		10		24	24	22				

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2 Year Summary

2 Year Summary														
	Yield						Maturity	Lodging	Height	Seed				
	All		Infested		Non-infested					weight	quality	protein	oil	
Entry	bu/a	rank	bu/a	rank	bu/a	rank	date	score	in.	g/100	score	@13%	@13%	
Locations	20		12		8		15	16	15	16	16	15	15	
1 MN1511CN	53.7	12	54.7	12	52.1	11	9/16	1.4	34	15.5	1.5	34.5	18.9	
2 ND Dickey (0)	47.9	13	48.8	13	46.3	13	-4.3	1.2	28	18.2	1.5	35.4	18.8	
3 U11-917032 (SCN)	58.0	7	58.5	11	57.2	5	6.5	1.5	31	16.6	1.4	33.2	20.2	
4 E15338	57.8	8	59.9	6	54.5	9	5.1	1.6	33	17.3	1.6	34.2	18.8	
5 E20078	61.0	2	64.6	2	55.5	7	6.7	1.7	38	16.6	1.4	34.1	19.2	
10 M13-262015	57.2	10	59.8	7	53.3	10	7.8	1.2	30	15.3	1.4	33.1	20.0	
11 M14-122031	62.0	1	64.8	1	57.9	3	5.4	1.3	31	17.3	1.6	34.9	19.3	
12 M14-122035	60.3	4	63.2	3	55.7	6	7.1	1.3	33	17.9	1.6	35.0	19.4	
13 M15-159120	57.5	9	59.3	9	54.6	8	4.1	1.2	31	15.2	1.5	35.1	18.6	
14 M16-134052	54.8	11	58.7	10	48.8	12	2.6	1.4	32	17.9	1.5	34.4	19.3	
15 M16-214187	59.8	5	60.5	5	58.5	2	3.0	1.5	30	16.6	1.6	33.8	19.1	
30 U20-912087	58.9	6	59.4	8	57.9	3	7.4	1.2	31	17.8	1.5	33.9	19.8	
31 U20-923006	61.0	2	61.6	4	60.0	1	7.2	1.2	33	15.3	1.4	32.6	20.2	
Mean	57.7		59.5		54.8		4.9	1.3	31.9	16.7	1.5	34.2	19.4	

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Yield (bu/a)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5.7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	52.0	39.2	51.9	44.4	61.6	74.5	61.0	53.4	56.7	52.8	43.4
2 ND Dickey (0)	38.8	41.3	34.2	42.5	51.4	80.6	55.5	36.9	59.6	49.2	39.4
3 U11-917032 (SCN)	52.9	59.0	64.1	47.2	58.0	79.6	70.3	46.6	75.8	54.1	51.4
4 E15338	55.6	62.8	60.1	50.7	65.7	69.2	65.6	45.0	70.4	52.8	50.7
5 E20078	61.9	74.9	48.3	51.6	58.6	90.9	66.0	43.0	58.6	52.0	60.5
6 E21100	60.4	62.2	50.9	57.6	69.6	81.6	69.0	50.2	65.3	64.9	56.3
7 E21270	59.2	53.3	56.9	45.2	62.7	64.3	56.8	44.7	65.7	37.0	48.2
8 LD18-4490	52.1	53.4	62.0	46.4	53.4	68.3	73.5	49.0	70.4	47.8	47.5
9 LD18-4787F	56.3	48.2	52.8	40.3	57.9	74.3	73.0	42.5	68.7	37.4	38.7
10 M13-262015	57.6	60.5	52.6	49.3	61.2	79.6	65.9	49.1	68.7	45.7	47.6
11 M14-122031	64.6	66.7	59.3	53.8	66.7	80.0	70.3	45.0	64.5	51.8	48.4
12 M14-122035	58.0	64.8	58.2	43.3	67.0	82.0	73.8	43.5	70.7	48.8	45.0
13 M15-159120	49.0	60.2	57.3	50.3	61.6	69.2	65.5	48.9	62.7	51.6	46.4
14 M16-134052	47.0	51.5	58.0	49.2	58.5	78.6	65.4	40.9	62.9	40.4	44.6
15 M16-214187	53.8	52.9	61.0	56.7	63.3	75.7	70.6	61.0	72.6	46.6	51.2
16 M17-157033	52.0	51.2	49.6	51.4	59.4	60.2	56.5	45.7	61.3	45.8	47.1
17 M17-188023	56.1	55.8	57.7	46.4	61.2	77.8	67.4	47.8	69.4	45.6	45.5
18 M17-188033	55.2	54.0	50.3	50.7	61.6	77.5	64.0	43.8	57.8	45.2	44.9
19 M17-188071	57.5	58.7	55.4	48.8	60.8	72.8	70.3	49.9	74.1	43.1	52.0
20 M17-189008	52.5	54.9	58.1	49.3	64.6	78.0	62.1	43.9	58.5	44.4	44.1
21 M17-295092	39.3	46.9	52.5	46.5	53.9	70.8	47.2	36.1	53.9	45.8	40.8
22 MCH17-315037	53.0	54.9	49.0	46.8	60.3	71.0	62.5	47.9	66.3	47.4	47.5
23 MCH17-316003	43.2	53.2	47.5	49.3	51.2	77.8	46.5	41.3	47.0	41.4	40.9
24 MCH17-316070	49.6	50.3	51.8	42.8	58.3	72.5	63.2	46.2	66.7	43.6	44.1
25 OAC 18-63C-SCN	51.7	57.1	49.2	45.5	62.4	73.3	52.6	40.4	48.3	50.2	38.3
26 OAC 19-61C-SCN	55.3	52.3	54.4	42.4	59.5	75.0	53.6	41.2	56.9	55.5	48.6
27 ORC 6922	67.5	60.1	57.6	45.9	55.6	76.1	71.1	51.0	67.2	50.5	46.9
28 ORC 7322	59.4	63.4	45.9	55.2	70.5	93.5	55.8	40.6	69.9	51.5	47.8
29 ORC 7422	59.8	61.1	55.9	42.9	65.1	82.7	63.9	40.8	71.2	55.5	47.4
30 U20-912087	63.2	44.8	57.3	47.8	57.8	77.2	68.3	43.8	68.7	54.4	49.1
31 U20-923006	67.5	54.6	44.9	43.7	54.8	90.2	69.8	51.1	76.5	55.7	48.4
Mean	54.9	55.6	53.7	47.9	60.5	76.6	63.8	45.5	64.7	48.7	46.9
C.V. %	6.2	12.0	10.1	15.2	7.5	7.7	10.0	7.1	10.2	9.5	7.5
LSD(2-sided,.05)	7.0	11.0	8.8	11.9	7.4	9.6	15.8	8.0	16.3	7.6	5.8
Replications	2	3	3	3	3	3	2	2	2	3	3
Row spacing (in.)	30	30	30	30	30	17	30	30	30	13	13

2023 SCN UNIFORM I

Yield (rank)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	23	31	20	24	13	20	23	2	28	7	26
2 ND Dickey (0)	31	30	31	29	30	7	27	30	23	15	29
3 U11-917032 (SCN)	20	11	1	16	23	9	8	12	2	6	4
4 E15338	15	5	4	7	5	27	15	16	8	7	6
5 E20078	5	1	27	5	20	2	13	22	24	9	1
6 E21100	6	6	22	1	2	6	10	5	18	1	2
7 E21270	9	20	13	23	9	30	24	17	17	31	11
8 LD18-4490	22	19	2	20	29	29	2	8	7	17	14
9 LD18-4787F	13	27	17	31	24	21	3	23	11	30	30
10 M13-262015	11	8	18	12	14	9	14	7	12	22	13
11 M14-122031	3	2	5	4	4	8	7	15	19	10	9
12 M14-122035	10	3	6	26	3	5	1	21	6	16	21
13 M15-159120	27	9	12	9	12	27	16	9	21	11	19
14 M16-134052	28	24	8	13	21	11	17	26	20	29	23
15 M16-214187	18	22	3	2	8	18	5	1	4	19	5
16 M17-157033	23	25	24	6	19	31	25	14	22	20	17
17 M17-188023	14	14	9	19	15	13	12	11	10	23	20
18 M17-188033	17	18	23	8	11	15	18	19	26	24	22
19 M17-188071	12	12	15	14	16	23	6	6	3	27	3
20 M17-189008	21	16	7	11	7	12	22	18	25	25	24
21 M17-295092	30	28	19	18	28	26	30	31	29	20	28
22 MCH17-315037	19	15	26	17	17	25	21	10	16	18	14
23 MCH17-316003	29	21	28	10	31	13	31	24	31	28	27
24 MCH17-316070	26	26	21	28	22	24	20	13	15	26	24
25 OAC 18-63C-SCN	25	13	25	22	10	22	29	29	30	14	31
26 OAC 19-61C-SCN	16	23	16	30	18	19	28	25	27	3	8
27 ORC 6922	1	10	10	21	26	17	4	4	14	13	18
28 ORC 7322	8	4	29	3	1	1	26	28	9	12	12
29 ORC 7422	7	7	14	27	6	4	19	27	5	3	16
30 U20-912087	4	29	11	15	25	16	11	20	13	5	7
31 U20-923006	1	17	30	25	27	3	9	3	1	2	9

2023 SCN UNIFORM I

Maturity

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	9/04		9/16	9/10	9/16	9/17	9/04		9/12	9/30	10-02
2 ND Dickey (0)	-6		-8	-6	-1	-3	-1		-4	-3	-6
3 U11-917032 (SCN)	5		6	7	7	7	7		8	4	2
4 E15338	4		3	2	4	5	3		7	7	0
5 E20078	7		4	4	9	7	4		4	6	5
6 E21100	8		5	2	11	6	4		7	9	3
7 E21270	9		6	4	12	7	5		9	8	3
8 LD18-4490	6		4	4	6	5	3		5	8	2
9 LD18-4787F	8		5	8	8	9	3		6	12	2
10 M13-262015	7		2	13	10	10	5		5	9	3
11 M14-122031	6		7	2	7	4	5		6	4	1
12 M14-122035	7		5	8	7	5	6		9	3	4
13 M15-159120	5		5	4	5	2	2		3	1	-1
14 M16-134052	2		5	-2	5	3	1		3	5	2
15 M16-214187	3		2	5	4	2	2		3	6	3
16 M17-157033	5		3	0	5	2	2		4	2	0
17 M17-188023	3		5	0	4	5	4		5	2	-1
18 M17-188033	5		0	1	6	6	5		5	4	1
19 M17-188071	7		2	2	9	7	4		9	8	3
20 M17-189008	7		5	2	7	3	3		6	4	3
21 M17-295092	-5		3	1	-1	0	1		1	4	2
22 MCH17-315037	8		5	3	10	7	2		6	10	2
23 MCH17-316003	2		6	1	6	3	2		0	5	2
24 MCH17-316070	4		7	-1	7	6	3		7	6	2
25 OAC 18-63C-SCN	1		3	0	2	3	1		0	4	1
26 OAC 19-61C-SCN	5		5	5	9	5	3		5	3	1
27 ORC 6922	10		6	12	10	8	6		10	9	4
28 ORC 7322	9		8	8	13	9	7		9	10	13
29 ORC 7422	4		7	8	9	5	5		9	11	4
30 U20-912087	5		5	11	8	7	4		6	9	5
31 U20-923006	5		2	5	8	5	7		8	9	4
Planted	5/15	5/09	5/25	5/07	5/23	5/17	5/16	5/17	5/23	5/18	5/26

2023 SCN UNIFORM I

Lodging (score)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	1.5		1.0	1.5	2.0	2.3	3.0		1.0	1.0	1.1
2 ND Dickey (0)	1.0		1.0	1.5	1.7	1.3	1.5		1.0	1.1	1.1
3 U11-917032 (SCN)	1.5		1.0	1.5	3.0	1.7	2.5		1.0	1.0	1.5
4 E15338	2.5		1.0	1.3	2.0	2.0	3.0		1.0	1.2	1.4
5 E20078	2.0		1.0	1.7	2.7	2.7	2.5		1.0	1.7	1.8
6 E21100	1.5		1.0	1.0	2.0	1.0	1.5		1.0	1.1	1.1
7 E21270	2.0		1.0	1.3	2.7	2.2	2.5		1.0	1.7	1.2
8 LD18-4490	1.5		1.0	1.3	2.3	2.0	1.5		1.0	1.1	1.1
9 LD18-4787F	1.0		1.0	2.0	1.7	2.2	1.5		1.0	1.2	1.0
10 M13-262015	1.0		1.0	1.5	2.0	1.3	1.5		1.0	1.2	1.2
11 M14-122031	1.0		1.0	1.0	2.0	1.3	2.5		1.0	1.1	1.1
12 M14-122035	1.0		1.0	1.0	2.0	1.7	2.0		1.0	1.4	1.2
13 M15-159120	1.0		1.0	1.0	2.0	1.5	1.5		1.0	1.1	1.0
14 M16-134052	1.0		1.0	1.7	2.0	1.7	2.0		1.0	1.2	1.2
15 M16-214187	3.0		1.0	1.7	2.3	1.3	2.5		1.0	1.0	1.2
16 M17-157033	3.0		1.0	1.7	3.0	1.7	2.5		1.0	1.2	1.2
17 M17-188023	3.0		1.0	2.0	2.7	2.0	3.0		1.0	1.0	1.2
18 M17-188033	2.5		1.0	2.0	3.0	2.3	2.0		1.0	1.1	1.6
19 M17-188071	2.0		1.0	1.3	2.7	2.0	2.0		1.0	1.3	1.0
20 M17-189008	2.5		1.0	1.7	2.7	2.3	4.0		1.0	1.5	1.0
21 M17-295092	2.0		1.0	1.3	2.0	2.0	2.5		1.0	1.1	1.0
22 MCH17-315037	1.5		1.0	2.0	2.7	1.0	2.0		1.0	1.6	1.1
23 MCH17-316003	1.5		1.3	1.3	2.7	2.2	3.5		1.0	1.4	1.5
24 MCH17-316070	2.5		1.7	1.7	3.0	2.0	4.0		1.0	1.7	1.4
25 OAC 18-63C-SCN	1.5		1.0	1.3	2.3	1.8	3.5		1.0	1.0	1.5
26 OAC 19-61C-SCN	1.5		1.0	1.0	2.0	1.0	2.0		1.0	1.2	1.1
27 ORC 6922	1.5		1.0	1.0	2.0	1.3	2.0		1.0	1.2	1.4
28 ORC 7322	2.5		1.0	1.0	2.0	1.7	2.5		1.0	1.1	1.4
29 ORC 7422	1.5		1.0	1.7	2.0	2.8	3.0		1.0	1.2	1.3
30 U20-912087	1.0		1.0	1.0	2.0	1.3	1.5		1.0	1.2	1.0
31 U20-923006	1.0		1.3	1.0	2.0	1.7	1.5		1.0	1.0	1.2

2023 SCN UNIFORM I

Height (inches)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	34		42	32	41	37	35			37	36
2 ND Dickey (0)	27		31	27	32	32	32			28	28
3 U11-917032 (SCN)	29		35	29	36	33	35			28	28
4 E15338	31		35	32	37	36	36			34	33
5 E20078	35		42	39	45	37	38			41	40
6 E21100	32		35	31	37	37	36			31	31
7 E21270	35		41	34	44	37	38			34	34
8 LD18-4490	27		33	29	34	34	35			27	28
9 LD18-4787F	26		31	24	31	33	32			26	24
10 M13-262015	29		34	31	34	35	36			29	28
11 M14-122031	30		38	30	37	35	36			29	32
12 M14-122035	30		38	31	37	36	38			29	31
13 M15-159120	29		37	30	35	36	34			28	28
14 M16-134052	28		38	31	35	35	36			33	31
15 M16-214187	29		32	30	35	31	32			30	30
16 M17-157033	31		41	36	39	32	35			34	32
17 M17-188023	31		33	30	33	32	32			30	27
18 M17-188033	32		31	31	37	31	36			29	30
19 M17-188071	30		37	30	37	32	38			32	29
20 M17-189008	31		35	34	39	38	33			35	32
21 M17-295092	30		43	31	37	32	35			35	35
22 MCH17-315037	34		41	34	39	36	37			34	32
23 MCH17-316003	30		37	33	39	36	34			36	34
24 MCH17-316070	33		39	32	38	36	35			36	34
25 OAC 18-63C-SCN	35		43	35	41	35	39			39	37
26 OAC 19-61C-SCN	33		38	31	37	37	38			31	30
27 ORC 6922	37		39	32	38	39	35			35	35
28 ORC 7322	34		37	33	40	43	32			33	33
29 ORC 7422	32		41	30	37	39	33			34	33
30 U20-912087	30		33	30	35	33	35			31	29
31 U20-923006	33		37	31	37	39	36			31	31

2023 SCN UNIFORM I

Seed Weight (g/100)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	15.6		13.5	12.9	16.4	16.2	12.9		14.6	16.7	16.1
2 ND Dickey (0)	16.8		16.4	16.6	20.7	18.9	17.0		18.6	17.2	16.8
3 U11-917032 (SCN)	16.3		16.8	13.1	16.4	17.9	14.5		18.0	18.6	17.4
4 E15338	17.7		16.3	14.7	17.5	17.5	14.7		17.9	17.4	17.2
5 E20078	17.0		13.8	14.5	16.2	18.8	14.9		16.0	17.8	17.7
6 E21100	17.3		16.4	14.5	17.5	18.3	15.3		18.2	17.6	17.9
7 E21270	15.6		13.5	11.8	16.1	16.0	13.1		14.7	15.6	15.9
8 LD18-4490	16.5		13.6	12.2	15.2	15.4	12.8		15.1	16.2	15.6
9 LD18-4787F	17.7		15.1	14.2	16.8	19.9	15.7		18.2	18.7	18.6
10 M13-262015	14.8		13.5	12.9	15.3	17.1	13.3		15.3	16.0	15.2
11 M14-122031	17.7		15.7	13.7	17.0	18.4	15.5		17.5	18.9	18.2
12 M14-122035	18.2		15.5	14.9	18.4	18.0	16.2		18.2	19.1	17.3
13 M15-159120	15.6		14.5	12.8	15.3	15.7	13.8		14.6	15.0	14.8
14 M16-134052	17.5		16.1	14.3	17.7	19.8	15.5		18.5	18.3	18.0
15 M16-214187	16.2		15.6	14.3	16.7	16.7	14.7		16.3	16.5	16.0
16 M17-157033	16.5		15.0	12.6	17.1	16.8	13.9		16.9	16.5	16.4
17 M17-188023	16.4		15.2	14.3	17.6	17.3	14.8		17.6	15.8	16.2
18 M17-188033	15.1		14.0	12.8	15.1	16.3	13.7		15.6	15.8	15.6
19 M17-188071	16.8		14.2	13.2	16.4	16.3	15.1		17.1	16.8	16.1
20 M17-189008	15.3		13.6	10.7	16.2	16.4	12.6		15.4	15.7	16.2
21 M17-295092	17.4		17.9	17.6	19.3	18.2	15.9		18.0	17.5	18.0
22 MCH17-315037	16.9		13.2	12.7	16.9	17.9	13.9		17.2	17.6	16.2
23 MCH17-316003	16.8		16.2	16.2	18.1	17.8	15.3		16.9	16.7	16.8
24 MCH17-316070	16.9		15.2	14.9	17.7	17.7	14.9		17.0	16.1	16.6
25 OAC 18-63C-SCN	18.5		17.2	16.0	18.9	17.5	15.5		17.5	18.9	17.5
26 OAC 19-61C-SCN	19.8		18.9	15.2	19.1	19.8	16.7		18.1	20.2	19.0
27 ORC 6922	20.9		18.9	17.5	19.7	23.6	19.7		22.5	22.8	22.2
28 ORC 7322	22.5		20.7	18.4	23.2	25.4	19.0		23.4	24.3	25.0
29 ORC 7422	21.9		18.6	17.0	23.3	22.1	18.9		21.6	21.9	20.9
30 U20-912087	17.8		16.0	13.9	18.3	19.7	15.2		17.1	19.7	19.0
31 U20-923006	15.0		13.0	12.0	15.1	17.0	12.6		16.0	16.0	15.3

2023 SCN UNIFORM I

Seed Quality (score)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	2.0		3.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
2 ND Dickey (0)	2.0		3.0	2.0	2.0	1.0	1.0		1.0	1.0	1.5
3 U11-917032 (SCN)	2.0		2.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
4 E15338	2.0		3.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
5 E20078	1.0		3.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
6 E21100	2.0		2.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
7 E21270	1.0		2.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
8 LD18-4490	2.0		3.0	2.0	1.0	1.0	1.0		1.0	2.0	1.5
9 LD18-4787F	3.0		2.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
10 M13-262015	2.0		2.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
11 M14-122031	3.0		2.0	2.0	2.0	1.0	1.0		1.0	1.5	1.0
12 M14-122035	3.0		2.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
13 M15-159120	2.0		2.0	2.0	2.0	1.0	1.0		1.0	1.5	2.0
14 M16-134052	2.0		3.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
15 M16-214187	3.0		2.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
16 M17-157033	1.0		2.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
17 M17-188023	3.0		3.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
18 M17-188033	2.0		3.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
19 M17-188071	2.0		3.0	3.0	2.0	1.0	1.0		1.0	1.5	1.5
20 M17-189008	3.0		2.0	2.0	1.0	1.0	1.0		1.0	2.0	1.5
21 M17-295092	2.0		4.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
22 MCH17-315037	3.0		2.0	1.0	1.0	1.0	1.0		1.0	1.5	1.5
23 MCH17-316003	3.0		4.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
24 MCH17-316070	3.0		3.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
25 OAC 18-63C-SCN	3.0		3.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
26 OAC 19-61C-SCN	2.0		2.0	2.0	2.0	1.0	1.0		1.0	1.5	2.0
27 ORC 6922	3.0		2.0	2.0	2.0	1.0	1.0		1.0	1.0	1.0
28 ORC 7322	2.0		3.0	2.0	2.0	1.0	1.0		1.0	1.5	1.5
29 ORC 7422	2.0		2.0	2.0	1.0	1.0	1.0		1.0	1.5	1.0
30 U20-912087	1.0		3.0	2.0	1.0	1.0	1.0		1.0	1.5	1.5
31 U20-923006	1.0		2.0	2.0	2.0	1.0	1.0		1.0	2.0	1.5

2023 SCN UNIFORM I

Protein (%)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	34.5		35.0	35.1	33.8	35.2	33.7		34.3	35.6	34.8
2 ND Dickey (0)	35.9		35.1	36.2	35.3	35.0	36.5		35.9	36.0	35.3
3 U11-917032 (SCN)	33.2		34.4	35.5	33.1	34.1	34.0		33.4	34.3	34.4
4 E15338	34.3		34.3	35.7	33.3	34.4	33.9		35.1	34.6	34.3
5 E20078	35.1		34.6	34.8	32.9	34.9	34.5		35.0	35.3	33.8
6 E21100	33.8		33.6	34.6	32.0	33.5	32.4		34.3	34.5	33.1
7 E21270	33.4		34.0	34.6	31.7	33.4	32.8		32.2	32.2	32.9
8 LD18-4490	34.7		33.9	35.1	32.9	33.9	33.6		33.8	33.1	32.3
9 LD18-4787F	35.9		35.5	35.8	33.9	34.7	34.7		34.3	34.7	33.2
10 M13-262015	33.1		33.6	34.5	32.4	34.1	33.0		33.2	33.8	33.3
11 M14-122031	36.1		35.2	36.4	33.9	35.0	34.3		34.4	35.3	34.4
12 M14-122035	36.1		36.1	35.8	33.9	35.1	33.2		35.7	35.9	35.0
13 M15-159120	35.6		35.3	35.5	33.6	35.7	35.6		35.5	35.1	34.4
14 M16-134052	35.8		34.7	34.9	33.7	34.5	34.3		35.8	35.9	35.3
15 M16-214187	33.7		34.2	34.7	32.7	34.2	33.6		33.5	34.6	34.3
16 M17-157033	34.4		35.1	34.8	33.4	33.6	35.0		34.5	33.7	32.2
17 M17-188023	34.3		34.9	35.0	33.2	34.6	34.8		35.6	33.5	33.1
18 M17-188033	32.3		34.4	34.9	32.5	33.7	34.0		33.8	33.5	33.1
19 M17-188071	33.4		34.1	34.3	31.5	32.8	33.9		33.0	33.0	31.6
20 M17-189008	33.6		33.6	34.0	32.3	33.4	32.7		32.9	34.6	32.5
21 M17-295092	37.1		36.3	36.9	36.5	36.5	36.7		36.9	36.4	37.1
22 MCH17-315037	34.5		34.5	34.5	32.5	33.4	33.0		34.2	33.2	33.4
23 MCH17-316003	36.6		35.8	35.2	35.1	36.1	35.8		35.5	37.2	35.9
24 MCH17-316070	35.4		34.9	35.5	33.8	33.9	35.3		35.4	35.4	34.5
25 OAC 18-63C-SCN	36.1		35.8	35.9	35.7	34.9	35.7		36.2	36.6	35.6
26 OAC 19-61C-SCN	36.8		35.6	36.1	34.5	34.9	35.4		35.3	35.3	33.7
27 ORC 6922	36.5		36.0	37.0	35.1	36.2	35.7		36.4	36.6	36.3
28 ORC 7322	36.0		36.5	37.0	34.1	36.6	35.5		36.4	36.4	35.0
29 ORC 7422	37.0		36.0	36.8	35.0	36.3	36.4		36.5	37.4	36.5
30 U20-912087	34.4		35.1	35.8	33.1	33.8	32.9		34.2	35.5	33.3
31 U20-923006	33.2		34.0	34.3	31.8	32.5	31.5		32.7	32.1	31.3

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Oil (%)

	Urbana	Decatur	Lamberton	Rosemount	Waseca	Palmrya	Mead	Cotesfield	Phillips	St. Pauls	Woodstock
	IL	MI	MN	MN	MN	ON	NE	NE	NE	ON	ON
SCN HG Type	2.5.7	Inf	2.5..7	1.2.5.7	Inf	Inf	7	NI	NI	NI	NI
Strain											
1 MN1511CN	18.8		19.4	19.1	20.3	17.4	20.3		19.5	16.8	17.8
2 ND Dickey (0)	19.4		19.4	18.7	19.7	17.5	19.4		19.4	16.7	18.1
3 U11-917032 (SCN)	20.4		20.4	19.8	21.2	18.5	20.3		20.5	17.6	18.3
4 E15338	19.3		19.6	18.4	20.0	17.4	19.5		19.4	16.7	17.7
5 E20078	19.8		19.5	19.1	20.5	17.3	20.2		19.8	16.7	18.1
6 E21100	19.1		19.4	18.6	20.1	17.4	20.1		19.0	17.8	18.7
7 E21270	20.5		19.7	19.4	21.1	17.9	20.9		20.2	18.2	18.8
8 LD18-4490	19.5		19.8	18.5	20.7	18.5	20.4		20.1	17.4	18.8
9 LD18-4787F	18.3		18.5	17.9	19.3	18.0	18.6		18.7	16.0	17.3
10 M13-262015	20.8		20.2	19.3	21.1	18.2	20.5		20.6	17.9	18.8
11 M14-122031	19.7		20.2	18.8	20.5	19.1	20.0		19.6	17.3	18.5
12 M14-122035	20.1		19.5	19.4	20.7	18.3	20.8		19.6	17.5	17.6
13 M15-159120	19.3		19.4	18.8	20.4	17.3	19.5		18.8	17.1	18.4
14 M16-134052	20.1		19.6	19.0	20.3	18.2	19.8		19.3	16.4	17.9
15 M16-214187	20.1		20.0	19.3	20.4	18.4	19.8		19.8	17.2	17.8
16 M17-157033	20.5		19.4	19.3	20.6	19.1	19.7		19.9	17.3	18.6
17 M17-188023	20.2		20.1	19.9	20.8	19.0	20.0		19.2	18.1	18.7
18 M17-188033	21.6		20.4	20.1	21.6	19.5	20.8		20.7	18.7	19.6
19 M17-188071	21.2		20.3	20.2	21.8	19.1	20.7		21.0	18.4	19.2
20 M17-189008	21.0		20.7	19.6	21.7	18.9	21.5		21.1	17.4	19.7
21 M17-295092	19.9		18.9	18.7	19.7	17.7	20.0		19.7	17.0	17.5
22 MCH17-315037	19.6		19.1	18.6	21.0	18.4	20.7		20.2	17.6	18.4
23 MCH17-316003	18.5		18.4	19.1	19.1	17.2	19.1		19.0	15.9	16.9
24 MCH17-316070	19.8		19.7	19.5	20.4	18.8	20.0		19.7	17.6	18.4
25 OAC 18-63C-SCN	19.3		19.0	18.4	19.5	17.7	19.3		18.8	16.4	17.4
26 OAC 19-61C-SCN	19.4		19.3	18.4	20.1	18.5	20.0		19.7	17.0	18.6
27 ORC 6922	18.7		19.3	18.8	20.3	18.0	19.4		19.8	16.0	18.6
28 ORC 7322	18.5		18.6	17.8	19.4	17.1	19.0		18.7	15.4	16.5
29 ORC 7422	18.7		18.4	17.7	18.9	17.0	18.7		18.0	15.0	16.9
30 U20-912087	21.0		20.3	19.1	20.9	19.0	20.9		20.7	16.6	18.3
31 U20-923006	21.0		20.0	19.7	21.1	19.4	21.3		21.0	18.4	19.0