

2010 SCN UNIFORM TEST 0

Strain	FPhIm	Parentage	Previous	Gen.	Traits
			testing	Comp.	
1 Sheyenne	PGy	Pioneer 9071 x A96-492041	2	F4	Rsp1-c
2 MN1410	WGbf	MN0302 x Archer	5	F5	Rps1K, BSR
3 Surge	PGibl	A86-204022 x Kato	6	F5	
4 MN0095	PTy	M92-270029 x M93-313135	NEW	F5	Rps1
5 MN0606CN	WTy	MN0901 x MN0902CN	5	F4	
6 M03-149100	PTbl	MN0902CN x MN0304	09SCN U0	F5	Rps1k
7 M03-289023	WTbr	MN0902CN x A02-381003	09SCN U0	F5	Lin2%
8 M03-289072	WTbl+br	MN0902CN x A02-381003	09SCN U I	F-5	Lin2%
9 M04-212034	WGy	M98-240104 x MN0902CN	NEW	F5	
10 M04-216069	PTy	M98-239123 x M95-255017	NEW	F5	
11 M04-219004	WTy	MN0902CN x ND01-3533	NEW	F5	Rps1k
12 M04-220137	WGy	M98-239080 X M95-255017	NEW	F5	
13 M04-228081	PGy	IA1008 x M98-133-20012	NEW	F5	
14 M04-273003	WTy	MN0082SP x MN0902CN	NEW	F5	
15 M04-359037	WTy	MN0902CN x M02-166028	NEW	F5	
16 M04-359090	WTy	MN0902CN x M02-166028	NEW	F5	
17 M04-360020	PTy	MN0081 x M02-166028	NEW	F5	1% Linolenic
18 M05-166072	PTbr+y	M98-239080 x M95-255017	NEW	F4	
19 ND03-5441	WGbf	Barnes x MN0902CN	NEW		Rps6
20 ND04-11421	PTy+br	MN0902CN x (SD96-702 x Loda)	2	F4	
21 ND07-1574	WGy	ND01-3739 x ND01-3533	NEW		Rps6
22 ND07-1656	PGy+gr	ND01-3533 x MN1006CN	NEW		Rps1c
23 ND07-1698	PGy	ND01-3533 x MN1006CN	NEW		Rps1c
24 ND07-1729	PGibl	MN1006CN x Walsh	NEW		Rps6
25 ND07-1812	WGy	ND01-3533 x Walsh	NEW		Rps6
26 ND07-3987	PGibl	M96-356062 x Ashtabula	NEW		Rps1c
27 ND07-3994	PGibl	M96-356062 x Ashtabula	NEW		Rps1c
28 ND07-4002	PGibl	M96-356062 x Ashtabula	NEW		Rps1c
29 ND07-4140	PGbf	A00-711013 x ND01-3550	NEW		Rps1k
30 ND07-4635	WTbl	MN1006CN x Walsh	NEW		Rps6

Entry	IL SCN screening				MN IDC
	HG 0		HG 2.5.7		Danvers
	FI	rating	FI	rating	score
1 Sheyenne	44	LR	86	NR	1.3
2 MN1410	95	NR	80	NR	1.3
3 Surge	130	NR	64	NR	1.8
4 MN0095	85	NR	85	NR	1.8
5 MN0606CN	3	HR	78	NR	2.3
6 M03-149100	10	R	96	NR	1.5
7 M03-289023	17	R	87	NR	1.8
8 M03-289072	4	HR	69	NR	1.3
9 M04-212034	2	HR	72	NR	1.0
10 M04-216069	78	NR	85	NR	3.3
11 M04-219004	2	HR	80	NR	2.5
12 M04-220137	115	NR	67	NR	1.5
13 M04-228081	8	HR	64	NR	1.8
14 M04-273003	5	HR	81	NR	1.5
15 M04-359037	66	NR	92	NR	2.3
16 M04-359090	2	HR	96	NR	1.3
17 M04-360020	86	NR	57	LR	1.5
18 M05-166072	85	NR	80	NR	1.5
19 ND03-5441	11	R	28	MR	2.8
20 ND04-11421	3	HR	81	NR	3.0
21 ND07-1574	89	NR	83	NR	4.0
22 ND07-1656	79	NR	73	NR	2.5
23 ND07-1698	51	LR	83	NR	2.3
24 ND07-1729	17	R	98	NR	2.3
25 ND07-1812	86	NR	81	NR	1.5
26 ND07-3987	3	HR	78	NR	3.8
27 ND07-3994	7	HR	69	NR	3.0
28 ND07-4002	6	HR	79	NR	2.5
29 ND07-4140	5	HR	79	NR	3.0
30 ND07-4635	3	HR	82	NR	2.8

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Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested		Non-infested					quality score	weight g/100	protein %	oil %
		bu/a	rank	bu/a	rank							
1	Sheyenne	35.5	19	59.2	2	9/17	1.6	33	1.5	15.5	34.6	18.0
2	MN1410	38.3	7	64.0	1	8	1.8	37	1.2	16.5	36.5	17.5
3	Surge	36.7	13	54.0	12	1	1.4	33	1.2	19.2	37.1	17.7
4	MN0095	33.5	26	50.5	18	-6	1.6	29	1.1	14.3	35.7	18.1
5	MN0606CN	35.8	18	49.9	20	3	1.8	33	1.3	15.1	35.7	17.8
6	M03-149100	35.3	21	53.9	13	-5	1.9	34	1.2	14.6	35.4	18.1
7	M03-289023	35.5	19	48.5	23	-1	1.4	30	1.2	16.0	36.1	17.7
8	M03-289072	36.6	14	57.4	5	1	1.5	37	1.2	15.2	36.1	17.8
9	M04-212034	38.4	5	52.0	16	3	1.8	34	1.2	14.5	34.8	18.2
10	M04-216069	34.5	23	53.9	13	2	1.4	33	1.1	17.5	37.0	16.9
11	M04-219004	39.6	2	54.7	9	2	1.6	35	1.2	14.8	36.8	17.3
12	M04-220137	36.2	15	57.8	3	-1	1.5	33	1.1	14.7	35.8	17.2
13	M04-228081	37.4	10	56.6	6	5	1.8	39	1.2	15.8	36.2	17.3
14	M04-273003	29.8	29	38.4	30	-4	2.4	34	1.3	8.4	36.2	16.5
15	M04-359037	31.5	27	48.8	22	5	1.9	38	1.1	13.7	37.8	16.4
16	M04-359090	36.9	11	45.8	26	5	2.2	36	1.2	15.0	38.2	16.2
17	M04-360020	31.3	28	45.3	27	4	1.8	38	1.4	15.3	37.0	16.7
18	M05-166072	29.4	30	46.7	25	-4	1.8	34	1.2	15.7	37.4	16.7
19	ND03-5441	38.5	4	47.8	24	-1	1.5	29	1.2	14.8	36.3	17.6
20	ND04-11421	36.8	12	43.7	29	-5	1.4	28	1.2	15.9	37.4	17.0
21	ND07-1574	35.0	22	56.3	8	2	1.5	30	1.2	14.4	33.8	18.4
22	ND07-1656	34.4	24	57.7	4	0	1.7	34	1.4	13.1	35.6	17.9
23	ND07-1698	35.9	17	54.1	11	0	1.7	35	1.2	13.5	35.5	18.0
24	ND07-1729	38.8	3	49.3	21	1	2.3	38	1.3	15.9	36.3	17.4
25	ND07-1812	34.1	25	56.6	6	-4	1.5	32	1.1	15.0	35.0	18.1
26	ND07-3987	37.5	9	52.0	16	-1	1.5	35	1.1	15.9	35.9	18.3
27	ND07-3994	36.0	16	54.4	10	-1	1.6	37	1.1	15.6	36.2	18.1
28	ND07-4002	38.4	5	50.0	19	0	1.5	36	1.2	15.4	36.2	18.0
29	ND07-4140	37.8	8	45.2	28	-1	1.7	30	1.1	12.9	35.3	18.2
30	ND07-4635	40.9	1	53.1	15	1	1.3	29	1.6	17.2	34.9	18.0

2 year summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	Seed			
		Infested		Non-infested					quality score	weight g/100	protein %	oil %
		bu/a	rank	bu/a	rank							
1	Sheyenne	35.6	5	56.3	2	9/22	1.5	33	1.5	15.6	34.6	17.6
2	MN1410	39.7	1	61.4	1	7	1.8	36	1.4	16.7	35.9	17.5
3	Surge	36.7	3	53.8	3	1	1.4	32	1.5	18.7	36.7	17.3
5	MN0606CN	34.9	6	49.7	5	1	1.7	31	1.4	15.2	35.6	17.4
6	M03-149100	36.5	4	50.6	4	-6	1.8	32	1.3	14.7	35.2	17.7
7	M03-289023	38.3	2	45.8	6	0	1.3	30	1.4	16.4	36.0	17.3
11	ND04-11421	33.8	7	43.4	7	-6	1.3	26	1.5	15.9	37.2	16.7

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Strain	Yield (bu/a)						
	Danvers	Gaylord	Rose- mount	Dwight	Ottawa	St. Pauls	Wood- stock
	MN 1.2.5.7	MN 2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	40.7	39.6	40.5	21.1	62.5	71.9	43.2
2 MN1410	45.3	48.8	39.7	19.3	68.2	80.9	42.8
3 Surge	39.8	40.7	44.6	21.6	67.6	62.8	31.7
4 MN0095	39.4	29.4	40.1	24.9	55.9	51.3	44.4
5 MN0606CN	39.5	41.9	33.7	28.2	56.5	61.7	31.5
6 M03-149100	41.9	44.0	34.0	21.4	57.9	59.2	44.5
7 M03-289023	34.1	33.4	42.4	31.9	55.2	56.7	33.6
8 M03-289072	39.6	41.9	37.9	26.8	56.2	73.3	42.8
9 M04-212034	42.8	44.4	39.3	27.0	53.0	55.6	47.5
10 M04-216069	32.2	44.5	41.1	20.3	62.6	65.5	33.7
11 M04-219004	36.5	49.0	44.2	28.5	53.1	66.7	44.3
12 M04-220137	45.5	42.8	39.3	17.0	64.0	67.4	41.9
13 M04-228081	36.9	44.9	35.4	32.3	56.0	66.1	47.6
14 M04-273003	33.9	29.8	31.7	23.6	39.0	44.4	31.7
15 M04-359037	27.9	44.0	33.7	20.2	56.2	60.7	29.6
16 M04-359090	38.1	42.1	39.8	27.4	46.4	55.6	35.3
17 M04-360020	35.1	38.1	34.6	17.2	51.0	62.1	22.7
18 M05-166072	30.2	38.6	33.8	15.1	54.2	49.2	36.6
19 ND03-5441	40.3	47.8	39.7	26.1	50.3	55.3	37.7
20 ND04-11421	44.1	39.7	36.3	26.9	53.9	55.7	21.4
21 ND07-1574	37.3	44.3	41.2	17.2	71.8	64.7	32.5
22 ND07-1656	32.7	46.7	43.5	14.8	62.3	66.9	43.8
23 ND07-1698	40.3	41.9	40.3	21.1	62.8	61.6	38.0
24 ND07-1729	42.4	39.5	38.3	35.0	57.5	54.2	36.2
25 ND07-1812	44.4	34.5	38.5	19.1	63.1	66.0	40.6
26 ND07-3987	40.3	44.5	40.6	24.6	55.2	60.1	40.6
27 ND07-3994	33.8	42.7	38.0	29.6	52.2	64.9	46.2
28 ND07-4002	40.5	42.4	36.9	33.8	52.0	64.3	33.6
29 ND07-4140	40.8	39.9	43.8	26.6	48.2	49.2	38.3
30 ND07-4635	48.6	48.2	35.0	31.6	67.7	67.2	24.5
Average	38.8	41.6	38.6	28.8	57.1	61.4	37.3
LSD(.05)	8.7	8.6	6.8	8.8	5.0	9.8	11.9
C.V. %	13.5	12.7	10.8	22.0	4.4	7.8	15.5
Replications	3	3	3	3	3	2	2
Row width (in.)	30	30	30	30	16	14	14

Strain	Yield (rank)						
	Danvers	Gaylord	Rose- mount	Dwight	Ottawa	St. Pauls	Wood- stock
	MN 1.2.5.7	MN 2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	10	23	9	21	9	3	8
2 MN1410	3	2	13	24	2	1	9
3 Surge	15	20	1	18	4	14	24
4 MN0095	18	30	11	15	17	27	5
5 MN0606CN	17	17	28	8	13	16	26
6 M03-149100	8	11	26	19	11	20	4
7 M03-289023	24	28	5	4	18	21	21
8 M03-289072	16	17	20	12	14	2	9
9 M04-212034	6	9	15	10	23	23	2
10 M04-216069	28	7	7	22	8	10	20
11 M04-219004	22	1	2	7	22	7	6
12 M04-220137	2	13	15	28	5	4	11
13 M04-228081	21	6	23	3	16	8	1
14 M04-273003	25	29	30	17	30	30	24
15 M04-359037	30	11	28	23	14	18	27
16 M04-359090	19	16	12	9	29	23	19
17 M04-360020	23	26	25	26	26	15	29
18 M05-166072	29	25	27	29	20	28	17
19 ND03-5441	12	4	13	14	27	25	16
20 ND04-11421	5	22	22	11	21	22	30
21 ND07-1574	20	10	6	26	1	12	23
22 ND07-1656	27	5	4	30	10	6	7
23 ND07-1698	12	19	10	20	7	17	15
24 ND07-1729	7	24	18	1	12	26	18
25 ND07-1812	4	27	17	25	6	9	12
26 ND07-3987	14	8	8	16	18	19	12
27 ND07-3994	26	14	19	6	24	11	3
28 ND07-4002	11	15	21	2	25	13	21
29 ND07-4140	9	21	3	13	28	28	14
30 ND07-4635	1	3	24	5	3	5	28

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Strain	Maturity						
	Danvers	Gaylord	Rose- mount	Dwight	Ottawa	St. Pauls	Wood- stock
	MN 1.2.5.7	MN 2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	9/19	9/6	9/14	9/17	10/3	9/17	9/14
2 MN1410	6	9	10	11	4	10	6
3 Surge	2	0	4	4	-1	-2	2
4 MN0095	-5	-2	-5	-3	-16	-8	-2
5 MN0606CN	-1	2	7	8	0	2	1
6 M03-149100	-6	-1	-3	-3	-10	-11	-4
7 M03-289023	-2	1	0	2	-2	-5	-1
8 M03-289072	-1	2	2	5	-2	2	-1
9 M04-212034	0	3	3	6	-1	1	6
10 M04-216069	2	0	3	10	-2	2	1
11 M04-219004	2	-1	4	6	-5	8	1
12 M04-220137	0	0	2	3	-6	-4	-2
13 M04-228081	3	3	8	12	2	5	3
14 M04-273003	-5	-2	-3	-2	-11	-4	-3
15 M04-359037	4	8	9	11	-2	1	2
16 M04-359090	6	9	7	10	1	1	3
17 M04-360020	4	1	8	7	1	5	2
18 M05-166072	-5	-2	-4	1	-8	-10	-2
19 ND03-5441	-4	-1	0	5	-4	-1	1
20 ND04-11421	-6	-2	-5	-3	-13	-4	-4
21 ND07-1574	-1	4	4	8	-6	2	3
22 ND07-1656	-3	-1	2	7	-7	-1	4
23 ND07-1698	-3	0	2	3	-6	4	-2
24 ND07-1729	1	-1	3	7	-1	-4	-1
25 ND07-1812	-4	-1	-2	-1	-7	-8	-2
26 ND07-3987	-2	-1	-1	6	-7	-3	1
27 ND07-3994	-4	-2	-1	7	-3	-2	0
28 ND07-4002	-1	-2	-1	5	-4	2	-2
29 ND07-4140	-3	-1	0	6	-2	-3	-2
30 ND07-4635	-2	0	2	7	-6	3	-1
Planted	5/5	5/18	6/1	6/3	5/17	5/20	5/31

Strain	Lodging (score)						
	Danvers	Gaylord	Rose- mount	Dwight	Ottawa	St. Pauls	Wood- stock
	MN 1.2.5.7	MN 2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	1.0	1.0	2.0	1.0	3.8	1.3	1.0
2 MN1410	1.0	1.0	2.7	1.0	3.3	2.0	1.3
3 Surge	1.0	1.0	2.0	1.0	2.4	1.4	1.0
4 MN0095	1.0	1.0	3.0	1.0	2.9	1.4	1.2
5 MN0606CN	1.0	1.0	3.0	1.0	4.1	1.6	1.1
6 M03-149100	1.0	1.0	3.0	1.0	4.1	1.6	1.5
7 M03-289023	1.0	1.0	2.0	1.0	2.2	1.3	1.0
8 M03-289072	1.0	1.0	2.0	1.0	2.8	1.0	1.7
9 M04-212034	1.0	1.0	2.7	1.0	4.0	1.5	1.1
10 M04-216069	1.0	1.0	2.0	1.0	2.6	1.1	1.3
11 M04-219004	1.0	1.0	2.0	1.0	3.8	1.4	1.3
12 M04-220137	1.0	1.0	2.7	1.0	2.3	1.3	1.3
13 M04-228081	1.0	1.0	3.3	1.0	3.9	1.3	1.0
14 M04-273003	1.0	1.0	3.3	1.0	5.0	2.5	3.1
15 M04-359037	1.0	1.0	4.0	1.0	3.6	1.8	1.0
16 M04-359090	1.0	1.0	4.0	1.0	4.4	1.8	2.0
17 M04-360020	1.0	1.0	3.0	1.0	3.4	1.6	1.7
18 M05-166072	1.0	1.0	2.3	1.0	3.6	1.8	2.1
19 ND03-5441	1.0	1.0	2.3	1.0	2.9	1.2	1.3
20 ND04-11421	1.0	1.0	2.0	1.0	2.7	1.0	1.0
21 ND07-1574	1.0	1.0	2.3	1.0	2.8	1.2	1.0
22 ND07-1656	1.0	1.0	2.7	1.0	3.3	1.5	1.2
23 ND07-1698	1.0	1.0	2.0	1.0	3.4	1.8	1.9
24 ND07-1729	1.0	1.0	3.0	1.0	5.0	3.0	2.0
25 ND07-1812	1.0	1.0	2.7	1.0	2.8	1.0	1.1
26 ND07-3987	1.0	1.0	2.3	1.0	2.7	1.5	1.0
27 ND07-3994	1.0	1.0	2.0	1.0	3.0	1.2	1.9
28 ND07-4002	1.0	1.0	2.3	1.0	3.1	1.4	1.0
29 ND07-4140	1.0	1.0	2.3	1.0	3.6	1.6	1.5
30 ND07-4635	1.0	1.0	2.0	1.0	2.0	1.0	1.0

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SCN HG Type	Height (inches)						
	Danvers	Gaylord	Rose-	Dwight	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ND	ON	ON	stock
	1.2.5.7	2.5.7	2.5.7	7	NI	NI	NI
Strain							
1	Shyenne		36	31	36	34	30
2	MN1410		39	29	41	42	35
3	Surge		35	27	34	32	37
4	MN0095		33	26	34	27	25
5	MN0606CN		36	30	35	34	30
6	M03-149100		32	26	43	37	33
7	M03-289023		31	28	33	30	28
8	M03-289072		37	29	39	40	38
9	M04-212034		35	29	36	34	38
10	M04-216069		32	25	37	37	32
11	M04-219004		31	31	38	38	37
12	M04-220137		34	28	35	32	34
13	M04-228081		36	35	40	44	39
14	M04-273003		32	28	37	39	33
15	M04-359037		38	32	41	44	36
16	M04-359090		37	31	41	37	33
17	M04-360020		39	33	39	43	37
18	M05-166072		33	30	37	37	35
19	ND03-5441		32	26	32	29	27
20	ND04-11421		29	25	31	28	26
21	ND07-1574		34	25	32	28	32
22	ND07-1656		38	26	37	36	34
23	ND07-1698		38	29	37	35	37
24	ND07-1729		38	33	41	42	37
25	ND07-1812		37	26	36	30	32
26	ND07-3987		37	30	35	33	40
27	ND07-3994		35	32	39	43	38
28	ND07-4002		38	33	39	35	36
29	ND07-4140		36	27	31	24	31
30	ND07-4635		30	25	33	30	28

SCN HG Type	Seed Quality (score)							
	Danvers	Gaylord	Rose-	Dwight	Ottawa	St. Pauls	Wood-	
	MN	MN	MN	ND	ON	ON	ON	
	1.2.5.7	2.5.7	2.5.7	7	NI	NI	NI	
Strain								
1	Shyenne	1.0	2.0	1.0	1.0	2.7	1.5	1.0
2	MN1410	1.0	1.0	1.0	1.0	1.7	1.5	1.0
3	Surge	1.0	1.0	1.0	1.0	1.3	1.5	1.5
4	MN0095	1.0	1.0	1.0	1.0	1.0	1.5	1.5
5	MN0606CN	1.0	1.0	1.0	1.0	2.0	1.5	1.5
6	M03-149100	1.0	1.0	1.0	1.0	1.7	1.5	1.5
7	M03-289023	1.0	1.0	1.0	1.0	1.3	1.5	1.5
8	M03-289072	1.0	1.0	1.0	1.0	1.7	1.5	1.5
9	M04-212034	1.0	1.0	1.0	1.0	1.7	1.5	1.0
10	M04-216069	1.0	1.0	1.0	1.0	1.3	1.5	1.0
11	M04-219004	1.0	1.0	1.0	1.0	1.7	1.5	1.0
12	M04-220137	1.0	1.0	1.0	1.0	1.3	1.5	1.0
13	M04-228081	1.0	1.0	1.0	1.0	1.7	1.5	1.0
14	M04-273003	1.0	1.0	1.0	1.0	2.0	2.0	1.0
15	M04-359037	1.0	1.0	1.0	1.0	1.3	1.5	1.0
16	M04-359090	1.0	1.0	1.0	1.0	1.7	1.5	1.0
17	M04-360020	1.0	1.0	2.0	1.0	2.0	2.0	1.0
18	M05-166072	1.0	1.0	1.0	1.0	1.7	1.5	1.5
19	ND03-5441	1.0	1.0	1.0	1.0	1.7	1.5	1.5
20	ND04-11421	1.0	1.0	1.0	1.0	1.3	1.5	1.5
21	ND07-1574	1.0	1.0	1.0	1.0	1.7	1.5	1.0
22	ND07-1656	1.0	1.0	2.0	1.0	2.0	1.5	1.5
23	ND07-1698	1.0	1.0	1.0	1.0	1.7	1.5	1.5
24	ND07-1729	1.0	1.0	1.0	1.0	1.7	2.0	1.5
25	ND07-1812	1.0	1.0	1.0	1.0	1.0	1.5	1.0
26	ND07-3987	1.0	1.0	1.0	1.0	1.0	1.5	1.0
27	ND07-3994	1.0	1.0	1.0	1.0	1.0	1.5	1.0
28	ND07-4002	1.0	1.0	2.0	1.0	1.0	1.5	1.0
29	ND07-4140	1.0	1.0	1.0	1.0	1.3	1.5	1.0
30	ND07-4635	1.0	1.0	2.0	1.0	2.7	2.0	1.5

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Seed Weight (g/100)

Strain	Seed Weight (g/100)						
	Danvers	Gaylord	Rose- mount	Dwight	Ottawa	St. Pauls	Wood- stock
	MN 1.2.5.7	MN 2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	13.6	15.2	13.1	14.6	20.6	16.5	14.6
2 MN1410	14.8	14.0	15.2	13.7	23.1	17.3	17.6
3 Surge	17.9	18.0	17.6	15.1	25.6	21.4	18.6
4 MN0095	12.3	13.9	12.6	14.1	17.4	16.0	13.6
5 MN0606CN	12.9	14.1	13.5	13.1	21.0	16.2	15.0
6 M03-149100	13.4	13.1	12.7	12.0	19.7	16.9	14.6
7 M03-289023	14.4	14.6	14.6	14.8	20.8	16.8	16.3
8 M03-289072	13.3	13.1	14.6	12.5	20.0	17.6	15.2
9 M04-212034	13.7	13.1	11.8	12.5	19.6	16.4	14.2
10 M04-216069	15.2	15.6	15.2	14.8	24.5	19.0	18.3
11 M04-219004	16.1	15.0	12.8	11.6	19.1	14.0	14.8
12 M04-220137	13.7	9.5	12.2	12.6	22.4	17.4	15.0
13 M04-228081	14.0	12.9	13.8	13.9	20.8	17.7	17.8
14 M04-273003	6.9	7.7	7.1	6.4	11.6	9.6	9.3
15 M04-359037	12.3	11.1	12.2	10.6	18.9	17.4	13.6
16 M04-359090	13.8	12.7	13.3	12.7	19.1	17.0	16.4
17 M04-360020	14.3	14.0	12.5	12.5	20.8	18.6	14.5
18 M05-166072	13.7	14.8	13.7	11.1	21.8	18.4	16.4
19 ND03-5441	13.4	14.0	13.4	12.3	20.0	16.1	14.1
20 ND04-11421	14.2	14.4	12.9	14.2	21.5	18.6	15.8
21 ND07-1574	13.1	12.6	13.0	12.1	20.7	15.8	13.6
22 ND07-1656	11.5	11.6	12.3	12.6	18.8	12.9	12.2
23 ND07-1698	12.4	11.8	12.7	12.1	18.7	12.8	14.2
24 ND07-1729	15.2	14.7	12.6	13.9	22.7	17.7	14.8
25 ND07-1812	13.2	14.6	13.4	10.9	20.1	17.6	14.9
26 ND07-3987	14.3	13.8	14.3	14.4	20.0	18.6	15.8
27 ND07-3994	13.9	13.7	14.4	13.3	19.9	17.4	16.8
28 ND07-4002	14.5	13.7	12.8	12.6	20.0	18.4	16.1
29 ND07-4140	11.5	11.8	11.4	11.6	16.2	14.8	13.1
30 ND07-4635	15.7	15.6	15.8	12.2	24.5	19.5	17.0

Protein (%)

Strain	Protein (%)						
	Danvers	Gaylord	Rose- mount	Dwight	Ottawa	St. Pauls	Wood- stock
	MN 1.2.5.7	MN 2.5.7	MN 2.5.7	ND 7	ON NI	ON NI	ON NI
1 Sheyenne	34.2	34.8	34.7	32.7	36.0	35.1	34.9
2 MN1410	34.9	35.5	35.8	37.1	39.2	36.5	36.7
3 Surge	35.2	36.0	36.1	37.9	38.8	37.5	37.9
4 MN0095	34.7	35.7	35.9	35.2	35.7	36.5	36.5
5 MN0606CN	34.6	34.8	35.6	34.0	37.1	36.9	36.6
6 M03-149100	33.4	36.4	34.5	33.4	36.6	37.1	36.2
7 M03-289023	33.2	34.8	34.8	36.4	38.5	37.6	37.4
8 M03-289072	33.7	35.5	35.4	35.5	37.9	37.7	37.1
9 M04-212034	33.7	34.3	34.9	33.1	36.1	35.5	36.1
10 M04-216069	35.5	35.7	35.8	37.5	38.9	37.8	38.0
11 M04-219004	35.2	36.0	36.0	34.2	39.3	38.6	38.5
12 M04-220137	35.8	35.3	36.6	35.0	36.9	35.7	35.3
13 M04-228081	35.0	34.7	35.8	35.0	38.7	37.3	36.8
14 M04-273003	34.0	36.0	35.9	33.7	37.7	38.2	38.2
15 M04-359037	35.5	37.0	37.0	35.5	40.5	40.5	39.0
16 M04-359090	35.3	37.2	37.4	35.9	41.2	40.4	40.0
17 M04-360020	34.4	36.1	34.8	37.7	39.8	38.5	38.1
18 M05-166072	34.8	36.7	37.0	37.4	38.4	38.6	38.6
19 ND03-5441	34.9	34.9	35.0	37.1	38.2	37.1	37.0
20 ND04-11421	35.7	36.6	35.6	37.6	39.1	38.5	38.5
21 ND07-1574	33.5	33.8	33.5	32.9	35.2	33.4	34.1
22 ND07-1656	33.6	34.7	35.0	35.9	37.5	36.7	36.1
23 ND07-1698	34.3	34.9	34.8	33.5	37.8	36.8	36.5
24 ND07-1729	35.6	35.7	35.7	35.7	37.1	37.0	37.1
25 ND07-1812	33.6	34.8	35.1	36.4	34.6	35.1	35.5
26 ND07-3987	33.4	34.7	35.3	35.3	38.5	36.9	37.1
27 ND07-3994	34.2	35.4	35.0	36.4	38.5	37.0	37.1
28 ND07-4002	34.4	34.4	35.3	37.9	37.9	36.7	36.5
29 ND07-4140	34.0	34.4	35.0	34.0	36.7	36.6	36.1
30 ND07-4635	34.2	33.3	33.9	36.3	36.1	35.4	35.0

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Strain	Oil (%)						
	Danvers	Gaylord	Rose-	Dwight	Ottawa	St. Pauls	Wood-
	MN	MN	mount	ND	ON	ON	stock
SCN HG Type	1.2.5.7	2.5.7	2.5.7	7	NI	NI	NI
1 Sheyenne	17.1	18.0	17.4	18.9	18.4	18.2	18.4
2 MN1410	17.3	17.3	17.6	16.2	17.6	18.4	18.1
3 Surge	17.5	18.5	16.7	17.2	17.7	18.1	18.0
4 MN0095	17.2	18.6	17.2	18.4	18.8	18.4	18.2
5 MN0606CN	17.1	18.0	17.0	18.0	18.1	18.0	18.1
6 M03-149100	17.4	18.7	16.7	18.2	18.4	18.4	18.4
7 M03-289023	18.1	17.6	17.0	17.3	17.1	18.1	18.4
8 M03-289072	17.3	17.8	17.3	17.9	17.6	18.3	18.6
9 M04-212034	17.8	18.5	17.3	18.9	18.7	18.5	17.9
10 M04-216069	16.4	18.0	16.5	15.7	16.6	17.5	17.2
11 M04-219004	16.5	18.0	17.0	17.5	17.0	17.6	17.6
12 M04-220137	15.9	17.1	15.6	16.8	17.8	18.7	18.7
13 M04-228081	17.0	17.7	16.9	16.9	16.8	17.7	18.0
14 M04-273003	15.7	16.4	15.1	17.6	16.8	17.1	16.9
15 M04-359037	15.7	16.1	15.4	16.4	16.5	17.0	17.7
16 M04-359090	16.3	15.3	15.0	17.3	16.0	16.8	17.0
17 M04-360020	16.7	16.3	16.4	16.1	16.6	17.3	17.7
18 M05-166072	16.5	16.7	15.7	16.3	17.2	17.2	17.2
19 ND03-5441	17.5	18.2	18.0	16.9	17.1	17.7	17.8
20 ND04-11421	17.1	17.6	16.6	17.1	16.7	16.8	16.8
21 ND07-1574	18.0	18.3	18.0	18.0	19.1	19.1	18.6
22 ND07-1656	17.2	17.8	17.5	17.4	18.4	18.4	18.5
23 ND07-1698	17.9	17.6	17.4	18.1	18.2	18.4	18.5
24 ND07-1729	16.5	17.7	17.0	17.7	17.7	17.9	17.5
25 ND07-1812	17.8	18.1	17.7	18.1	18.7	18.4	18.2
26 ND07-3987	18.3	18.3	17.9	18.5	17.8	18.7	18.4
27 ND07-3994	18.2	18.5	18.0	16.8	18.0	18.6	18.8
28 ND07-4002	17.4	18.1	18.0	17.2	18.0	18.7	18.7
29 ND07-4140	18.3	18.1	17.3	18.9	18.0	18.2	18.5
30 ND07-4635	17.6	17.4	17.3	17.4	18.4	19.0	19.0