

Table 1. 2007 Variety trial - Great Northern, Scottsbluff

VARIETY	Growth Habit	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
Orion	3a	59	93	9.8	60.4	31.4	1447	2786
COB 776-03	3a	52	95	9.4	59.4	27.0	1679	2696
Cob 777-03	3a	53	96	9.5	58.2	28.8	1578	2577
Marquis	3a/3 b	59	93	9.5	61.6	25.8	1760	2501
3158	2a	52	94	9.8	60.4	32.4	1403	2487
GN 085-5- 0815	2a/2 b	49	92	9.7	59.1	31.6	1437	2461
1121	2a	51	93	9.9	60.1	30.4	1492	2459
NE 21-06-287	2b	48	95	9.9	61.4	31.4	1446	2434
Prairie	3b	49	87	9.7	61.0	28.9	1569	2423
GTS 2403	2b	52	93	9.6	58.2	29.0	1567	2409
99136	2b	49	91	9.8	59.6	31.4	1446	2397
NE 21-06-288	2b/3 a	48	95	10.0	61.7	31.5	1440	2388
1131	3a	48	87	9.5	62.2	26.4	1720	2368
NE 21-06-289	2b	64	97	9.5	60.6	27.5	1651	2342
GTS 2404	3a	48	92	9.5	61.7	34.4	1321	2340
117	2b	49	93	9.5	61.7	27.9	1630	2334
Rog 591	3a	48	86	9.3	61.9	28.9	1573	2324
NE 21-06-286	3a	50	94	10.0	61.0	30.4	1493	2315
Beryl R	3a	59	88	9.6	62.1	23.6	1926	2256
99131	3a	48	87	9.5	61.3	26.2	1731	2220
ISB 97 4071	3b	50	93	9.9	60.6	27.7	1641	2213
Matterhorn	2a/2 b	49	91	9.6	58.9	27.8	1635	2201
Ivory	3a	48	83	9.4	60.1	30.3	1497	2095
3159	2b	54	99	10.5	62.2	30.3	1498	1947
1 GRAND MEAN		51.5	92.0	9.7	60.6	29.2	1566	2374
2 LSD 5 %		1.7	1.9	0.5	0.7	3.0		462
3 CV %		2.6	1.5	3.5	0.9	6.1		9.3

Yield MC - Yield is moisture corrected to 14% moisture.

Table 2. 2007 Variety trial - Great Northern, Mitchell

VARIETY	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
99131	43	86	10.5	61.0	32.2	1411	4089
Rog 591	43	84	10.2	62.7	33.3	1365	3895
1131	44	87	10.4	61.7	31.4	1446	3834
Marquis	45	92	10.6	62.0	31.2	1454	3780
Beryl R	44	86	10.1	61.9	27.7	1639	3725
Cob 777-03	47	91	10.9	58.4	31.7	1431	3715
ISB 97 4071	46	91	10.9	61.2	30.2	1502	3706
GTS 2404	44	89	10.8	61.2	40.9	1111	3694
COB 776-03	48	92	10.6	59.2	29.3	1548	3682
Prairie	45	89	10.4	61.3	31.7	1431	3638
Orion	46	91	10.4	60.8	33.5	1355	3563
Ivory	44	84	10.3	61.0	35.2	1289	3541
Matterhorn	46	89	10.2	59.7	31.9	1423	3535
GTS 2403	47	92	10.8	57.7	33.6	1352	3393
1121	46	88	10.6	60.1	33.7	1349	3263
GN 085-5-0815	44	90	10.3	59.7	39.1	1160	3259
3159	46	93	10.9	62.2	32.9	1381	3239
NE 21-06-289	46	93	10.7	62.0	28.8	1575	3165
117	46	91	10.5	61.7	30.6	1482	3127
NE 21-06-288	46	90	10.7	61.5	34.2	1327	3059
NE 21-06-286	44	92	10.4	60.9	32.0	1421	3041
3158	46	92	10.5	60.4	35.3	1286	3038
99136	45	88	10.2	59.2	34.5	1316	3014
NE 21-06-287	45	92	10.9	61.2	32.6	1394	2937
Bighorn	47	95	11.7	61.6	33.9	1338	2722
1 GRAND MEAN	45.3	89.9	10.6	60.8	33	1391	3426
2 LSD 5 %	11.7	3.5	0.3	0.8	2.0		599
3 CV %	13.8	2.3	2.1	0.8	4.2		15.3

Table 3. 2007 Variety Trial Pinto, Scottsbluff

VARIETY	Growth Habit	Days to Flower	Days to Maturity	Moisture	Test Weight	100 seed Weight	Seeds/lb	Yield MC lbs/A
99195MR	3a	52	95	10.7	60.5	29.1	1559	2993
Poncho	3b	49	89	10.3	60.2	33.4	1359	2874
Sonora(99233)	2b/3a	51	95	10.5	59.4	28.7	1585	2828
GTS904	3a	53	95	10.4	58.1	33.5	1357	2827
Buster	3a	50	88	10.2	57.8	34.1	1330	2822
COB2579-99	3a	54	98	10.3	59.1	32.4	1401	2805
P250215	3a	51	94	10.5	57.9	37.2	1220	2729
P247216	3a/3b	55	98	10.8	60.4	30.7	1478	2703
Windbreaker	3a	49	89	10.0	56.8	33.8	1344	2688
P243225	3b	52	95	10.7	58.7	32.3	1408	2683
PT01223	2b	51	92	10.8	59.5	28.4	1601	2674
P251215	3a/3b	53	97	11.3	59.3	32.3	1404	2663
PT99213	3a/3b	51	94	10.4	61.3	27.4	1657	2652
La Paz	2b	54	94	10.9	59.9	30.8	1475	2646
Co23704	3a	52	95	10.5	59.9	32.3	1407	2606
Durango(99230)	3a	50	95	10.1	60.3	34.4	1320	2568
P131423	3a	53	96	10.6	58.9	30.4	1492	2566
P223217	3a	52	95	10.7	57.0	31.7	1431	2548
Co23428	2b	51	96	10.6	57.0	29.7	1529	2541
Co54150	2b	52	96	12.5	58.0	31.0	1465	2514
Co33887	2b/3a	54	98	11.4	60.5	28.3	1604	2499
Montrose	3b	49	89	9.8	59.5	31.3	1449	2499
NE21-06-291	3a	49	92	10.2	56.5	35.9	1266	2485
Odyssey	3b	50	92	10.0	59.1	31.3	1452	2469
Winchester	3a	48	88	10.2	61.2	31.1	1459	2465
PT99217	3a	50	92	10.7	60.5	34.3	1324	2464
PT05200	2a/2b	50	88	10.4	59.7	29.9	1520	2459
Co33911	2b	53	98	11.3	59.3	30.0	1515	2435
PT03261	2b	54	96	10.8	59.4	31.3	1452	2422
Baja(99204)	2b	48	87	10.2	59.9	31.6	1437	2417
Grand Mesa	3b	51	94	10.4	59.2	29.4	1546	2398
ISB1131	3a	49	86	10.2	59.9	34.4	1321	2395
ISB97-1145	3b	49	91	10.4	59.8	31.0	1463	2393
Buckskin	3b	48	85	9.8	58.9	33.0	1375	2354
GTS905	3a	54	98	10.8	59.3	29.5	1538	2349
Co24601	2a/2b	53	94	10.3	57.8	32.2	1409	2334
NE21-06-290	2b	49	89	10.5	57.1	34.2	1327	2306
Co34142	2b	53	99	12.3	59.7	30.5	1487	2294
Othello	3a	48	85	9.8	59.7	30.7	1478	2286
ISB99-620-1	3a	52	94	10.1	59.9	29.5	1538	2223
Bill Z	3b	48	86	10.0	58.1	28.0	1621	2081
NE21-06-292	2b	49	89	11.0	57.6	36.0	1260	2000
Pinata	3a	48	83	10.2	50.5	35.9	1264	1914
Apache	3b	50	88	10.1	58.5	30.7	1481	1846

1 GRAND MEAN	50.8	92.3	10.5	58.9	31.7	1441	2494
2 LSD 5 %	2.7	3.5	0.7	3.2	1.7		384
3 CV %	3.8	2.7	4.8	3.9	4.0		11.0

Table 4. 2007 Variety Trial - Pinto, Mitchell

VARIETY	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
Buster	46	90	10.5	58.6	35.8	1268	4056
P 250215	47	91	10.7	59.7	36.6	1241	3910
Poncho	46	86	10.3	61.1	34.3	1324	3829
Montrose	47	87	9.9	59.9	34.9	1302	3769
Windbreaker	45	87	10.0	57.7	35.3	1285	3716
COB 2579-99	47	92	10.3	59.2	33.5	1357	3713
ISB 1131	44	82	9.9	60.7	37.7	1203	3638
Bill Z	44	86	9.8	58.9	31.5	1441	3632
P 247216	47	92	10.4	59.8	32.0	1418	3607
Buckskin	45	84	9.8	59.1	35.1	1293	3585
Othello	44	85	9.8	60.5	34.1	1332	3570
Durango (99230)	46	88	9.9	60.4	35.0	1299	3538
P 251215	46	93	10.4	60.4	32.9	1382	3529
Baja (99204)	44	86	10.2	59.7	36.3	1250	3510
PT 99213	47	92	10.6	60.8	31.8	1429	3500
Odyssey	46	90	10.2	60.3	35.7	1273	3477
PT 01223	47	89	11.0	59.6	29.3	1552	3452
99195 MR	46	91	10.5	60.4	31.8	1430	3451
GTS 905	46	93	10.5	60.7	30.8	1476	3444
P 131423	47	90	10.2	59.6	31.1	1460	3443
PT 05200	47	90	10.8	59.5	33.6	1353	3410
P 223217	47	90	10.5	58.0	35.5	1279	3397
Winchester	44	87	10.2	61.2	34.6	1314	3391
Pinata	42	82	9.8	57.6	39.0	1163	3379
126	46	89	10.1	60.4	34.7	1309	3379
P 243225	46	91	10.6	59.2	34.9	1302	3372
Sonora (99233)	46	88	10.5	59.9	30.8	1475	3344
GTS 904	47	92	10.4	59.0	35.6	1276	3337
PT 99217	47	89	10.0	61.2	37.0	1229	3321
ISB 97-1145	46	92	10.2	60.7	33.0	1375	3295
La Paz	48	91	10.5	61.2	29.3	1551	3287
Co 23704	47	90	10.0	60.3	34.9	1303	3272
NE 21-06-292	46	87	10.7	57.7	37.4	1216	3261
NE 21-06-290	45	85	11.0	57.0	36.4	1246	3256
Co 24601	47	89	10.2	59.5	35.9	1266	3249
Apache	45	85	10.1	59.8	34.7	1307	3222
NE 21-06-291	45	88	10.4	57.5	37.6	1209	3213
Co 23428	46	90	10.2	58.7	30.7	1478	3207
Grand Mesa	47	89	10.4	58.2	30.7	1480	3019
PT 03261	47	91	11.0	59.0	32.8	1386	2997
ISB 99-620-1	47	91	9.8	60.3	31.3	1450	2996
Co 33887	46	94	11.1	61.5	30.5	1490	2979
Co 54150	48	93	10.7	58.6	31.1	1460	2894
Co 33911	46	93	10.7	59.6	29.7	1530	2841
Co 34142	48	95	11.2	60.3	32.2	1411	2425

1 GRAND MEAN	46	89	10.3	59.6	33.7	1353	3380
2 LSD 5 %	1.7	2.4	0.6	0.9	3.2		376
3 CV %	2.7	1.9	4.7	1.2	6.7		7.8

Table 5. 2007 Variety Trial - Kidney, Mitchell

VARIETY	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
Cal Early	43	88	10.2	58.0	52.0	874	3168
Cimarron (Rog 773)	43	89	10.6	56.1	53.8	844	3022
Sac Lite	43	88	10.7	58.0	50.1	907	3004
3296	45	94	10.4	57.3	37.8	1201	2952
GTS 401	45	92	10.6	63.0	35.1	1293	2823
L637153	46	93	10.5	58.0	39.9	1137	2810
GTS 104	45	94	10.2	57.8	44.1	1029	2789
L208370	44	92	10.5	57.2	42.5	1068	2635
GTS 105	45	94	10.3	58.1	44.7	1016	2313
1 GRAND MEAN	44.4	91.3	10.4	58.2	44.4	1041	2835
2 LSD 5 %	2.1	3.8	0.6	0.8	2.0		361
3 CV %	3.2	2.9	4.2	1	3.2		8.6

Table 6. 2007 Variety Trial - Navy, Mitchell

VARIETY	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
2084	49	93	11.1	61.6	16.9	2686	3366
3019	47	94	11.5	62.6	18.5	2457	3197
GTS 554	48	93	11.3	61.8	17.9	2540	3189
Frigate	47	93	11.1	62.2	16.9	2682	3069
OB 4020-98	47	93	11.2	62.2	17.6	2580	3014
1054	49	93	11.1	62.0	16.4	2773	2920
1051	48	94	11.6	63.3	16.5	2747	2789
GTS 544	47	93	10.7	62.3	14.7	3083	2738
OB 4118-98	49	94	10.8	62.1	17.2	2640	2526
Comet	49	95	11.3	62.6	21.2	2139	2284
1 GRAND MEAN	48	93	11.2	62.3	17	2633	2909
2 LSD 5 %	1.7	1.5	0.8	0.8	0.9		524
3 CV %	2.4	1.1	5	0.8	2.0		12.4

Table 7. 2007 Variety trial - Black, Mitchell

VARIETY	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
Shadow	47	90	10.1	59.0	22.7	1998	3218
Jet Black	48	94	10.5	60.9	18.6	2441	3215
Shinny Crow	47	92	9.9	62.3	20.2	2245	3193
Loreto (00044)	49	94	10.1	62.9	17.9	2543	3179
ISB TR 13	48	93	10.1	61.5	19.2	2365	3071
Shania (B201240)	49	93	9.9	61.5	17.3	2624	2852
Bandit (B210237)	48	94	9.9	60.6	18.2	2501	2522
1 GRAND MEAN	47.8	92.6	10.1	61.2	19.2	2388	3036
2 LSD 5 %	1.2	2.2	0.6	0.7	0.7		405
3 CV %	1.8	1.6	4.6	0.7	2.5		8.8

Table 8. 2007 Variety trial –
Red & Pink, Mitchell

VARIETY	Days to Flower	Days to Maturity	Moisture	Test Weight	100 Seed Weight	Seeds/lb	Yield MC lbs/A
NW 63	44	89	10.5	64.0	28.9	1570	4055
239	45	90	10.0	64.0	30.0	1516	4007
Viva	46	92	10.7	62.2	23.8	1906	3781
537	44	88	9.9	60.5	34.8	1304	3747
1 GRAND MEAN	44.8	89.6	10.3	62.7	29.4	1574	3897
2 LSD 5 %	1.2	5.2	0.8	1.6	1.3		455
3 CV %	1.8	3.7	5.2	1.7	2.9		7.5