

2015 DRY BEAN YIELD TRIALS

EXPERIMENT	TITLE	PLANTING DATE	LOCATION	ENTRIES	DESIGN	REPS	HARVEST METHOD
5101	STANDARD NAVY BEAN YIELD TRIAL	06/04/15	SVR&EC	FRANKENMUTH 42	REC. LATTICE	4	DIRECT HARVESTED
5102	STANDARD BLACK BEAN YIELD TRIAL	06/04/15	SVR&EC	FRANKENMUTH 30	REC. LATTICE	4	DIRECT HARVESTED
5103	PRELIMINARY NAVY BEAN YIELD TRIAL	06/04/15	SVR&EC	FRANKENMUTH 56	REC. LATTICE	3	DIRECT HARVESTED
5104	PRELIMINARY BLACK BEAN YIELD TRIAL	06/04/15	SVR&EC	FRANKENMUTH 72	REC. LATTICE	3	DIRECT HARVESTED
5105	STANDARD GN & PINTO YIELD TRIAL	06/04/15	SVR&EC	FRANKENMUTH 42	REC. LATTICE	4	DIRECT HARVESTED
5106	STANDARD PINK & SMALL RED YIELD TRIAL	06/04/15	SVR&EC	FRANKENMUTH 20	REC. LATTICE	4	DIRECT HARVESTED
5107	PRELIMINARY PINK&SMALL RED YLD TRIAL	06/05/15	SVR&EC	FRANKENMUTH 48	ALPHA LATTICE	3	DIRECT HARVESTED
5108	MIDWEST & CO-OP. REGIONAL TRIAL	06/05/15	SVR&EC	FRANKENMUTH 48	ALPHA LATTICE	3	DIRECT HARVESTED
5209	STANDARD ANDEAN YIELD TRIAL	06/10/15	ENTRICAN	MONTCALM 56	REC. LATTICE	4	ROD PULLED
5210	NATIONAL WHITE MOLD YIELD TRIAL	06/10/15	ENTRICAN	MONTCALM 64	SQ. LATTICE	3	DIRECT HARVESTED
5111	NATIONAL DRY BEAN DROUGHT TRIAL	06/05/15	SVR&EC	FRANKENMUTH 24	ALPHA LATTICE	3	DIRECT HARVESTED
5212	BNF ANDEAN YIELD TRIAL	06/10/15	ENTRICAN	MONTCALM 9	RCBD	3	HAND PULLED

SVR&EC: SAGINAW VALLEY RESEARCH & EXTENSION CENTER

PROCEDURE: PLANTED IN 4 ROW PLOTS, 20 FEET LONG, 20 INCH ROW WIDTH, 4 SEEDS/FOOT, 15 FOOT SECTION OF CENTER 2 ROWS WAS HARVESTED AT MATURITY.

FRANKENMUTH:FERTILIZER BROADCAST: 400 POUNDS OF 15-5-13 + S, ZN, MN, CU PRIOR TO PLANTING.

HERBICIDES APPLIED: 1.0 PT DUAL + 1.5 QT. EPTAM APPLIED PPI. 4 OZ. RAPTOR/1 PT REFLEX/1 PT BASAGRAN ON 7/10/15.

ENTRICAN: FERTILIZER BROADCAST: 200 POUNDS OF 19-10-19 PRIOR TO PLANTING. 50 POUNDS 46-0-0 SIDE DRESSED ON JULY 6.

HERBICIDES APPLIED: 2 PT. SONALAN/1.25 QT EPTAM/2PT. DUAL PPI. 4 OZ. RAPTOR/1 PT REFLEX/1 PT BASAGRAN ON 7/06/15.
PESTICIDES APPLIED: 9 OZ. ASANA ON JULY 6.

IRRIGATION APPLIED: 5.85 INCHES ON WHITE MOLD TRIALS - 9 APPLICATIONS; 2.4 INCHES ON STANDARD YIELD TRIALS - 4 APPLICATIONS

EXPERIMENT 5101 STANDARD NAVY YIELD TRIAL							PLANTED: 6/4/15			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
N14229	N11275/N11256	29	28.7	17.2	46.0	96	1.0	50.0	5.3	1.8
N14218	N11256/N11298	23	27.5	18.4	46.0	98	1.0	50.5	5.3	2.0
N13142	N08007/N09046	6	26.1	18.3	46.0	96	1.0	49.8	4.0	1.8
N14243	N11284/N11277	31	26.1	17.3	46.0	93	1.0	48.5	4.3	2.8
N14230	N11275/N11256	20	25.7	17.4	46.0	95	1.3	49.8	5.0	1.5
N12457	B09174/N09056	8	25.5	18.7	45.0	94	1.0	48.0	3.8	2.0
N14201	N11249/N11256	32	25.1	18.2	46.0	97	1.0	52.0	5.5	1.3
N11283	MEDALIST/N08003, ALPENA	9	24.7	19.1	45.0	98	1.3	50.5	4.3	2.5
I11264	COOP 03019, MERLIN	13	24.3	19.1	45.0	99	1.8	50.0	3.3	4.0
N12447	B09174/N09056	4	24.3	19.8	46.0	98	1.3	49.5	4.0	1.8
N13131	N09175/N08007	1	23.6	19.2	45.0	94	1.0	48.3	4.3	2.3
N14247	B11343/B11271	16	23.2	17.6	46.0	94	1.0	49.3	4.3	1.8
N13120	N08003/N05324	3	23.2	20.4	45.0	94	1.0	49.0	5.0	2.0
N14210	N11256/N11262	37	23.1	21.3	46.0	94	1.0	48.0	3.8	3.8
N14215	N11256/N11292	22	23.0	16.3	45.0	96	1.0	47.8	3.5	2.8
N14225	N11257/N11280	40	23.0	20.1	45.0	93	1.0	48.3	3.8	3.8
N12454	B09174/N09056	7	22.9	19.2	45.0	95	1.0	48.8	3.3	2.5
I15627	ISB2884-4	18	22.7	24.1	44.0	98	1.0	49.0	3.0	3.8
N14216	N11256/N11292	33	21.9	17.4	45.0	95	1.0	48.5	4.0	2.5
N14206	N11256/N11258	30	21.7	18.7	45.0	98	1.0	48.3	3.5	2.3
I15621	MIST	11	21.7	21.1	45.0	110	1.5	49.5	3.0	1.3
N14238	Alpena/N11249	26	21.6	18.4	45.0	93	1.0	48.3	3.5	3.5
N14205	N11256/N11258	34	21.4	19.4	45.0	96	1.0	48.0	3.5	3.3
N14240	Alpena/N11264	27	21.3	19.3	46.0	93	1.0	47.3	3.5	3.3
N14202	N11249/N11256	24	21.3	21.1	45.0	98	1.0	51.3	3.5	3.0
N14208	N11256/N11262	28	21.1	20.0	45.0	93	1.0	47.0	3.8	2.8
N13139	N05324/MEDALIST	5	20.9	18.6	46.0	96	1.5	49.0	3.3	3.5
N14223	N11257/N11256	25	20.5	17.9	45.0	100	1.3	53.0	4.5	2.3
N13135	N10102/N09046	17	20.0	19.0	45.0	94	1.0	48.0	3.8	3.8
N11264	N08003/MEDALIST	2	19.4	19.7	45.0	95	1.3	47.3	3.3	3.5

EXPERIMENT 5101 STANDARD NAVY YIELD TRIAL								PLANTED: 6/4/15		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
N14221	N11257/N11249	35	19.0	20.8	46.0	105	1.0	50.0	3.3	2.8
I15628	LIGHTHOUSE	12	18.8	21.2	45.0	109	1.5	50.0	3.0	1.0
N14231	N11275/N11264	21	18.2	20.7	45.0	94	1.3	48.8	3.3	4.0
N14224	N11257/N11280	36	17.7	19.0	45.0	95	1.0	48.5	3.3	4.8
I08902	HYLAND T9905	10	16.8	21.7	45.0	110	1.8	50.8	3.0	3.3
I15614	IG-10M	41	16.6	22.2	39.0	92	1.0	46.3	3.0	4.0
I14502	FATHOM	38	16.2	21.2	39.0	108	2.0	50.3	3.0	2.3
N14219	N11257/N11249	39	16.0	18.2	46.0	95	1.0	48.3	3.3	3.5
N13140	N05324/MEDALIST	14	15.7	18.4	46.0	98	1.3	48.5	3.0	4.3
I15625	ND070612	42	15.0	20.1	45.0	105	2.0	51.3	3.0	3.3
I08958	Mayflower/Avanti, MEDALIST	15	14.6	22.4	46.0	106	2.0	51.8	3.0	3.0
I15629	ISB96-3156	19	14.6	22.2	38.0	91	1.0	43.8	3.0	4.0
MEAN (42)			21.3	19.5	44.6	97.3	1.2	49.0	3.7	2.8
LSD (.05)			3.7	1.0	0.6	2.7	0.3	1.5	0.8	0.8
CV (%)			14.9	4.5	0.9	2.3	22.9	2.5	17.4	25.6

EXPERIMENT 5102 STANDARD BLACK YIELD TRIAL							PLANTED: 6/4/15			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
B13220	B09175/TARS-MST1	9	31.3	19.8	44.0	94	1.0	49.0	4.8	1.0
B13204	B09174/VCW54-1	8	30.1	24.7	45.0	96	1.0	49.3	5.3	1.5
B13225	PR0443-151/B09175	6	29.9	22.3	45.0	98	1.0	49.3	4.8	2.3
B14303	B09197/B11334	22	29.7	18.9	45.0	96	1.0	51.0	5.8	1.0
B14302	B09197/B11334	20	28.2	18.2	45.0	97	1.0	51.3	5.8	1.0
B13218	B09175/I09215	2	27.2	25.5	45.0	97	1.0	49.3	5.0	1.8
B13223	PR0443-151/B09175	5	27.0	22.6	45.0	97	1.3	47.8	3.8	3.0
B11363	B04644/B07554	4	26.6	21.5	45.0	95	1.0	47.8	4.3	3.8
B14309	B11338/B10222	26	26.4	18.2	45.0	96	1.3	49.3	3.5	1.8
B12720	B09175/Eclipse	1	26.1	23.1	45.0	94	1.0	47.3	4.5	3.5
B14307	B11271/B11343	23	25.4	23.5	46.0	98	1.5	54.8	4.3	3.0
B14311	B11338/B10241	19	24.2	18.7	45.0	96	1.0	48.3	5.0	1.0
B14308	B11301/B10222	25	23.4	19.5	45.0	96	1.0	49.5	4.3	2.8
B10244	B04644/ZORRO, ZENITH	18	23.3	22.4	44.0	96	1.0	50.5	4.8	4.3
I13419	NDF09304	29	22.7	16.4	45.0	94	1.0	48.5	3.8	4.3
B11311	B04587//ZORRO/DPC-1	13	22.6	19.5	46.0	96	1.3	47.5	4.0	2.3
B11555	I82054/B07554	21	22.5	23.3	45.0	100	1.5	49.5	3.5	3.0
B14313	B11343/B09196	27	22.3	16.9	45.0	93	1.0	45.5	3.8	4.5
I03390	ND9902621-2, ECLIPSE	12	22.1	19.6	45.0	95	1.0	48.0	4.3	3.8
B12724	B09184/B09135	3	22.0	21.2	45.0	101	1.0	49.3	3.5	1.8
B12711	B07554//Jaguar/B07554	16	21.8	20.3	45.0	94	1.0	47.0	4.0	5.0
I07116	T-39/Midnight, SHANIA	10	21.3	20.0	46.0	102	1.5	51.0	3.5	3.3
B14312	B11343/B09196	28	21.0	15.4	45.0	93	1.0	45.0	3.5	4.0
B11364	B04644/B07554	15	20.9	20.7	45.0	93	1.0	46.5	3.3	5.0
B14310	B11338/B10241	24	20.4	17.9	45.0	95	1.0	45.5	4.0	1.8
B11312	B04587//B05070/B05044	17	20.0	18.8	45.0	97	1.0	48.3	3.3	3.8
B12712	B07554//Jaguar/B07554	11	19.2	21.1	45.0	93	1.0	45.0	3.0	4.8
B12715	Zorro/N09056	7	19.2	19.4	45.0	94	1.0	45.3	3.0	3.3
B04554	B00103*/X00822, ZORRO	14	18.4	19.4	45.0	97	1.0	50.3	4.3	4.3
I81066	SEL-BTS, T-39	30	18.3	19.6	46.0	97	2.0	48.3	2.3	4.8
MEAN (30)			23.8	20.3	44.9	95.8	1.1	48.5	4.1	3.0
LSD (.05)			3.5	1.1	0.7	1.7	0.3	1.5	0.6	0.7
CV (%)			12.6	4.5	0.9	1.5	22.0	2.7	13.4	18.8

EXPERIMENT 5103 PRELIMINARY NAVY YIELD TRIAL							PLANTED: 6/4/15			
NAME	PEDIGREE	ENTRY	YIELD CW100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-5)
N15331	N12438/N12468	31	31.1	19.6	45.0	96	1.0	49.0	4.3	2.3
N15343	N11227/X12519	43	29.8	19.7	45.0	96	1.0	49.3	4.7	2.3
N15318	N11277/N09034	18	29.1	20.0	45.0	96	2.0	50.7	5.0	3.0
N15341	N12468/N12466	41	28.4	17.6	45.0	94	1.0	50.0	5.7	2.0
N15345	N11258/X12508	45	28.3	21.7	45.0	99	1.0	52.7	4.7	3.0
N15334	N12442/N11277	34	27.8	24.8	45.0	102	1.0	54.7	4.0	2.3
N15330	N12438/N11258	30	27.2	20.3	45.0	100	1.3	49.0	3.3	4.0
N15335	N12453/N11277	35	26.4	17.1	45.0	93	1.0	46.3	4.7	2.0
N15339	N12468/N11292	39	26.3	17.4	45.0	97	1.0	47.0	4.0	1.3
N15321	N11277/N11258	21	25.8	18.6	45.0	93	1.0	48.3	4.0	4.0
N15306	N11230/N11298	6	25.2	19.9	46.0	98	1.0	48.3	3.7	3.3
N15338	N12466/N11258	38	25.1	16.1	45.0	93	1.3	50.0	4.3	3.7
N15301	N09034/N11292	1	24.5	16.7	45.0	92	1.0	47.7	4.0	4.3
N15329	N12438/N11258	29	24.5	19.9	45.0	98	2.0	51.0	3.3	3.0
N15346	X12501/X12518	46	24.3	18.1	45.0	93	1.0	47.0	4.0	3.7
N15336	N12466/N11238	36	24.2	17.0	45.0	94	1.0	50.0	5.3	3.3
N15344	N11227/X11537	44	24.1	19.3	45.0	93	1.3	47.0	3.3	3.0
N15313	N11258/N11277	13	23.7	16.4	45.0	93	1.0	50.0	5.3	3.7
N15319	N11277/N09034	19	23.7	19.9	46.0	98	1.3	50.0	4.3	1.0
N11283	MEDALIST/N08003, ALPENA	54	23.5	19.2	45.0	96	1.3	50.3	4.7	2.7
N15323	N12405/N12468	23	23.4	18.0	44.0	94	1.0	48.0	4.7	2.7
N15332	N12438/N12468	32	23.3	20.8	45.0	101	1.0	49.0	3.3	3.7
N15326	N12405/N12468	26	23.1	16.7	45.0	94	1.0	45.7	4.3	1.0
N15307	N11238/N11258	7	23.0	15.4	45.0	97	1.0	51.0	4.7	1.7
N15322	N12405/N11238	22	22.9	19.0	45.0	94	1.0	46.0	4.0	3.7
N15337	N12466/N11258	37	22.3	17.3	46.0	94	1.0	47.7	4.3	3.3
I15616	PR0806-80A	55	22.0	21.2	45.0	99	1.0	49.7	4.0	2.7
N15320	N11277/N11258	20	21.6	18.3	45.0	93	1.0	48.3	4.0	3.3
N15328	N12405/N12468	28	21.6	19.3	45.0	96	1.0	49.3	5.0	3.7
N15340	N12468/N11298	40	21.6	22.7	46.0	99	1.0	50.7	4.7	1.7

EXPERIMENT 5103 PRELIMINARY NAVY YIELD TRIAL							PLANTED: 6/4/15			
NAME	PEDIGREE	ENTRY	YIELD CW100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-5)
N15342	X12507/X12519	42	21.5	19.8	46.0	96	1.0	49.7	3.0	4.3
N15309	N11258/N11277	9	21.2	17.4	45.0	94	1.0	47.0	4.3	3.3
N15314	N11258/N12405	14	21.1	20.0	45.0	93	1.0	46.3	4.3	3.3
N15315	N11258/N12405	15	20.8	17.9	45.0	93	1.0	44.0	3.7	4.3
N15303	N11230/N11277	3	20.5	15.8	45.0	94	1.0	46.3	3.3	4.0
N15324	N12405/N12468	24	20.3	16.9	45.0	93	1.0	44.0	3.0	4.7
N15308	N11258/N11238	8	20.2	17.1	45.0	99	1.0	50.0	3.0	3.3
N15312	N11258/N11277	12	20.0	16.3	45.0	93	1.0	46.3	3.7	3.7
N15302	N11230/N11277	2	19.4	17.7	45.0	99	1.0	52.7	4.7	2.3
N15333	N12442/N11277	33	18.9	22.5	46.0	97	1.3	51.3	4.7	2.3
N15305	N11230/N11298	5	18.8	19.6	45.0	98	1.0	48.0	3.3	4.0
N15310	N11258/N11277	10	18.7	17.7	45.0	94	1.0	50.0	4.0	3.7
N15347	Alpena*/B09197	47	18.5	21.3	45.0	101	1.0	49.0	3.0	3.3
N15316	N11258/N12405	16	18.2	21.2	45.0	93	1.0	45.3	4.0	3.7
N15304	N11230/N11298	4	18.0	18.6	45.0	97	1.0	47.7	3.3	3.7
N15327	N12405/N12468	27	17.7	19.9	45.0	94	1.0	46.3	4.0	4.0
N15350	Alpena*/B09197	50	17.5	19.1	45.0	93	1.0	47.3	3.0	4.7
I11264	COOP 03019, MERLIN	53	17.3	20.4	45.0	99	1.0	48.3	3.0	4.7
N15351	Alpena*/B09197	51	17.2	17.3	45.0	93	1.0	46.3	3.0	4.7
I15617	PR0806-81A	56	17.2	21.2	45.0	95	1.7	48.0	3.0	4.7
N15348	Alpena*/B09197	48	17.1	18.7	45.0	100	1.3	49.0	3.3	3.0
N15325	N12405/N12468	25	17.0	18.6	45.0	93	1.0	45.7	4.0	4.3
I08958	Mayflower/Avanti, MEDALIST	52	16.5	19.7	45.0	102	1.3	50.0	3.0	3.7
N15311	N11258/N11277	11	14.7	16.8	44.0	98	1.0	49.3	4.3	3.0
N15317	N11258/N12405	17	14.6	19.0	44.0	93	1.0	45.7	4.0	5.0
N15349	Alpena*/B09197	49	13.8	19.4	45.0	99	1.0	48.3	3.0	3.7
MEAN (56)			21.9	18.9	44.9	95.8	1.1	48.5	4.0	3.3
LSD (.05)			3.7	1.2	0.9	2.8	0.3	2.4	1.0	1.0
CV (%)			12.3	4.5	1.2	2.1	20.7	3.7	18.3	21.9

EXPERIMENT 5104 PRELIMINARY BLACK YIELD TRIAL

PLANTED: 6/4/15

NAME	PEDIGREE	ENTRY	YIELD /ACRE	CW1 WT. (g)	100 SEED FLOWER	DAYS TO MATURITY	DAYS TO (1-5)	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
B15428	Zenith/B12721	28	36.6	26.7	44.0	95	1.0	50.0	5.3	2.0	
B15408	B09175/B10215	8	36.1	23.8	46.0	96	1.0	48.0	5.0	2.3	
B15442	B11363/B09175	42	36.1	26.7	45.0	98	1.0	48.3	4.3	2.7	
B15418	B10208/B09175	18	35.8	26.1	45.0	96	1.0	49.7	4.3	1.7	
B15407	B09175/B10215	7	34.5	24.4	45.0	97	1.3	48.7	4.0	2.7	
B15441	B11343/B10213	41	34.4	22.8	45.0	93	1.0	45.3	4.7	3.0	
B15416	B10208/B09175	16	34.1	28.5	45.0	97	1.3	48.0	4.0	2.3	
B15451	B11371/B11363	51	34.1	22.8	46.0	97	1.0	50.3	5.0	2.0	
B15430	Zenith/B12721	30	33.9	26.4	44.0	93	1.0	49.0	5.7	1.7	
B15449	B11371/B09175	49	33.9	22.8	45.0	94	1.0	46.3	4.3	1.7	
B15452	B11371/B11363	52	33.8	22.0	46.0	98	1.3	50.7	4.7	2.0	
B15406	B09175/B10215	6	33.8	24.4	45.0	95	1.0	47.3	4.7	2.7	
B15433	Zenith/B12721	33	33.7	26.2	45.0	96	1.0	50.0	4.0	2.0	
B15453	B11371/B11363	53	33.5	23.4	46.0	95	1.0	49.0	5.0	2.0	
B15425	Zenith/B10215	25	33.5	24.0	46.0	96	1.3	47.3	4.0	2.3	
B15431	Zenith/B12721	31	33.5	26.0	44.0	93	1.0	47.3	4.7	2.7	
B15412	B09175/B11363	12	33.3	22.0	45.0	93	1.0	46.3	5.0	3.7	
B15434	Zenith/B12721	34	33.2	24.3	45.0	95	1.0	48.3	5.0	2.3	
B15435	Zenith/B12721	35	33.1	24.8	45.0	94	1.0	46.0	4.7	2.3	
B15414	B09175/B11611	14	33.1	27.8	45.0	95	1.0	48.0	4.0	2.7	
B15421	B10208/B11611	21	32.8	23.8	45.0	95	1.0	46.7	4.7	2.0	
B15410	B09175/B11343	10	32.8	22.5	46.0	95	1.0	47.3	4.0	3.0	
B15427	Zenith/B11343	27	32.8	26.1	45.0	93	1.0	47.0	4.7	3.3	
B15438	B11334/Zenith	38	32.7	22.7	46.0	94	1.0	48.3	4.7	3.0	
B15417	B10208/B09175	17	32.6	22.6	45.0	95	1.0	47.3	4.0	2.0	
B15415	B09175/B11611	15	32.5	26.0	45.0	95	1.0	46.3	3.7	3.0	
B15432	Zenith/B12721	32	32.2	26.6	45.0	94	1.0	48.3	5.3	3.0	
B15439	B11334/Zenith	39	32.1	22.3	46.0	94	1.0	47.0	4.3	2.7	
B15464	B12709/B12721	64	31.9	26.7	46.0	96	1.0	48.7	5.3	2.0	
B15454	B11561/B11343	54	31.8	23.7	45.0	94	1.0	47.3	3.7	3.0	
B15419	B10208/B09175	19	31.8	25.2	45.0	100	1.0	49.7	4.0	1.3	
B15443	B11363/B09175	43	31.7	26.5	45.0	95	1.0	46.0	4.3	2.7	
B15404	B09175/Zorro	4	31.2	23.4	45.0	94	1.0	45.0	4.7	3.0	
B10244	B04644/ZORRO, ZENITH	72	31.1	24.3	45.0	96	1.0	48.0	4.3	3.0	
B15469	Zenith/X11530	69	30.8	21.9	46.0	96	1.0	48.3	3.7	2.7	
B15465	B12709/B12721	65	30.8	24.9	45.0	95	1.0	46.0	4.3	3.0	
B15447	B11363/Zenith	47	30.7	23.3	45.0	93	1.3	45.3	4.3	3.7	
B15411	B09175/B11363	11	30.5	21.9	45.0	94	1.0	45.3	4.7	2.3	
B15426	Zenith/B11343	26	30.5	22.1	45.0	97	1.0	49.7	4.3	2.3	
B15470	Alpena*/B09197	70	30.5	23.7	45.0	93	1.0	45.7	3.7	4.0	

EXPERIMENT 5104 PRELIMINARY BLACK YIELD TRIAL							PLANTED: 6/4/15			
NAME	PEDIGREE	ENTRY	YIELD /ACRE	CW100 WT. (g)	SEED DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
B15409	B09175/B11343	9	30.3	20.4	46.0	94	1.0	47.3	4.3	3.7
B15457	B11594/Zenith	57	30.3	23.9	46.0	95	1.0	46.7	4.0	3.0
B15429	Zenith/B12721	29	30.2	25.4	46.0	94	1.0	46.7	4.7	2.3
B15420	B10208/B11611	20	30.0	23.7	44.0	98	1.0	49.0	4.0	1.3
B15402	Zorro/B11343	2	29.7	22.6	46.0	94	1.0	46.7	4.0	3.0
B15422	B10208/B12721	22	29.7	24.2	44.0	95	1.0	47.0	5.0	1.0
B15448	B11363/B11345	48	29.5	23.6	46.0	94	1.0	48.0	4.0	3.0
B15413	B09175/B11363	13	28.9	22.2	45.0	93	1.0	46.3	4.7	2.7
B15444	B11363/B09197	44	28.8	21.3	45.0	94	1.0	47.0	4.7	2.3
B15403	Zorro/B11343	3	28.7	21.8	45.0	96	1.0	47.3	4.7	2.7
B15405	B09175/B10215	5	28.6	22.6	45.0	94	1.0	45.7	4.0	3.0
B15450	B11371/Zenith	50	28.6	21.0	46.0	94	1.0	48.7	4.3	3.7
B15466	B12709/B12721	66	28.4	26.9	45.0	94	1.0	46.0	4.3	3.7
B15463	B12707/B11311	63	28.2	20.5	46.0	98	1.3	49.7	4.3	1.3
B15440	B11343/B10213	40	28.1	21.4	45.0	93	1.0	44.0	4.3	3.3
B15458	B11594/B11343	58	28.0	22.8	45.0	98	1.3	48.7	4.0	3.0
B15446	B11363/Zenith	46	27.8	23.8	45.0	96	1.0	47.7	3.7	2.7
B15436	B11312/Zenith	36	27.5	23.2	45.0	95	1.0	47.3	4.7	3.3
B15445	B11363/Zenith	45	27.4	23.7	45.0	95	1.0	47.0	4.0	3.3
B15462	B12707/B11311	62	27.3	20.6	45.0	97	1.0	48.3	4.0	1.7
B15401	Zorro/B11312	1	27.2	19.7	45.0	94	1.0	46.7	4.0	3.7
B15455	B11561/B11343	55	26.9	22.9	44.0	93	1.0	43.7	4.3	3.0
B15456	B11594/Zenith	56	25.9	23.4	44.0	95	1.0	47.3	4.3	3.0
B15423	B10215/Zenith	23	25.7	25.0	46.0	95	1.0	46.7	3.7	4.0
B04554	B00103*/X00822, ZORRO	71	25.4	19.1	45.0	98	1.0	49.7	4.3	3.0
B15461	B11611/B11343	61	24.8	25.1	46.0	97	1.0	46.3	3.0	3.3
B15460	B11611/B11343	60	24.7	21.0	44.0	93	1.0	44.0	3.7	3.3
B15467	Zenith/X11528	67	24.6	21.8	45.0	92	1.0	44.7	3.7	3.7
B15437	B11312/Zenith	37	24.2	21.7	45.0	94	1.3	46.7	4.0	3.7
B15424	B10215/Zenith	24	22.9	22.0	46.0	96	1.0	45.3	3.3	4.3
B15468	Zenith/X11530	68	20.1	20.6	46.0	93	1.0	43.0	3.0	4.0
B15459	B11611/Zenith	59	16.4	21.3	46.0	92	1.0	42.7	3.0	5.0
MEAN (72)			30.3	23.5	44.9	94.9	1.0	47.2	4.3	2.8
LSD (.05)			3.8	1.5	1.1	2.0	0.3	2.3	0.8	1.1
CV (%)			9.2	4.8	1.4	1.6	18.7	3.6	14.3	28.7

EXPERIMENT 5105 STANDARD GREAT NORTHERN AND PINTO YIELD TRIAL								PLANTED: 6/4/15		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
P07863	AN-37/P02630, ELDORADO	30	24.7	43.2	42.0	97	2.0	54.0	5.0	3.3
G12901	G07321/Fuji, SAMURAI	2	24.4	26.2	45.0	97	1.0	52.0	5.0	4.0
G14510	G11471/G11469	18	23.5	30.4	46.0	97	2.0	50.5	4.5	2.3
G14506	G11469/G11417	17	23.4	34.4	46.0	95	2.0	50.0	5.0	3.3
I07113	PNE-6-94-75/Kodiak, LAPAZ	37	22.4	37.9	45.0	94	1.5	51.0	4.5	3.3
I14509	PT11-13	42	21.8	37.0	44.0	91	2.0	47.0	4.0	4.0
P14815	P08522/LONG'S PEAK	32	21.7	37.4	45.0	93	1.5	49.5	5.5	3.0
G14530	P11518/G11405	4	21.5	37.6	47.0	99	2.0	55.0	3.5	2.3
P14814	P08522/LONG'S PEAK	31	21.2	38.7	47.0	94	2.0	51.5	4.5	3.7
G14505	G11429/P08175	20	21.0	27.0	44.0	94	2.0	49.0	4.0	3.3
G14503	G11404/G11469	21	20.9	41.3	44.0	95	2.0	49.5	4.0	3.0
G13468	G08259//Eldorado/G08210	6	20.6	32.5	45.0	95	1.5	49.0	5.0	3.0
P11519	SANTA FE/P07806	38	20.3	39.9	47.0	96	1.5	56.5	4.5	2.3
G14525	P09425/G11429	25	19.7	42.2	45.0	94	1.5	47.5	4.5	3.0
P14802	P08162/P11518	35	19.7	37.8	47.0	92	1.5	49.0	4.5	2.7
G11440	G07309/P08401	11	19.3	33.0	44.0	93	1.5	48.5	5.0	3.0
P14812	P09425/P08161	34	19.3	36.7	45.0	91	1.0	47.0	4.0	3.0
G11438	G07309/P08401	10	19.2	35.5	43.0	93	1.0	50.0	4.5	3.3
P13701	G09305/Eldorado	40	19.1	39.8	44.0	93	1.5	48.5	4.5	2.3
G13444	G07302//G08274/P08410	3	19.1	36.6	42.0	93	1.0	49.0	5.0	2.3
G13479	Eldorado/G09312	1	18.8	30.2	42.0	94	1.0	48.5	4.5	2.7
P11523	P04203/P06125	41	18.5	38.2	45.0	93	1.0	49.5	5.0	2.7
G13456	G08217//P08372/P08410	13	18.4	29.4	44.0	92	1.0	45.5	5.0	3.3
P14811	P08403/G11405	33	18.1	34.8	41.0	93	1.0	47.5	4.5	3.0
P14806	P08162/P11518	39	17.9	36.3	46.0	92	2.0	49.5	3.0	3.3
I14519	23ST-27	28	17.7	32.8	44.0	91	2.0	43.5	3.0	4.3
G14523	P08403/G11405	22	17.7	41.2	40.0	93	1.0	47.5	4.0	2.3
P14804	P08162/P11518	36	17.6	32.4	45.0	92	2.0	48.0	4.0	4.0
G14513	G11402/Powderhorn	26	17.1	33.7	44.0	93	1.0	48.5	4.5	3.3
G14507	G09329/G10412	19	16.9	25.2	45.0	95	1.5	48.5	4.0	3.0

EXPERIMENT 5105 STANDARD GREAT NORTHERN AND PINTO YIELD TRIAL								PLANTED: 6/4/15		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
G14511	G11417/G11404	27	16.8	34.8	39.0	94	1.5	48.5	4.0	2.7
G11463	G07309//G04207/I07130	7	16.7	39.0	45.0	95	2.0	48.5	3.5	3.7
G13450	G08217//P08372/P08410	9	16.6	31.8	45.0	93	1.0	47.5	5.0	3.7
G14519	P08162/G11404	23	16.1	37.6	42.0	94	1.5	49.5	3.5	3.3
G14520	P08369/G09303	24	15.4	27.9	45.0	94	1.0	49.5	4.0	3.7
G14509	G11404/Eldorado	16	15.3	33.4	44.0	93	2.0	48.5	4.0	3.7
G13412	Powderhorn//G09301/Eldorado	8	15.1	34.4	45.0	94	1.0	48.0	4.5	2.7
G13423	Powderhorn//Eldorado/G09312	5	15.0	34.3	45.0	95	1.5	50.5	5.0	2.7
G08254	G04514/Matterhorn, POWDERHORN	15	14.4	34.0	43.0	92	1.0	47.0	4.0	3.7
G13452	G08217//P08372/P08410	12	13.6	30.5	41.0	91	1.0	45.5	4.5	3.7
G93414	MATTERHORN	14	11.9	32.3	44.0	91	2.0	47.0	4.0	3.3
I14520	SF103-8	29	10.2	32.8	39.0	95	2.0	52.0	2.5	3.7
MEAN (42)			18.5	34.8	43.8	93.4	1.5	49.1	4.3	3.2
LSD (.05)			2.9	3.0	2.2	1.9	0.6	1.8	1.0	0.9
CV (%)			13.5	7.5	3.0	1.2	25.4	2.1	13.5	22.1

EXPERIMENT 5106 STANDARD RED AND PINK YIELD TRIAL								PLANTED: 6/4/15		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
I13401	SR 09303, VIPER	2	32.4	30.2	46.0	101	1.3	51.5	4.3	3.0
I13446	SR 09304, RUBY	19	29.4	34.4	45.0	100	2.0	49.8	3.8	3.0
R13752	Merlot/SER48	3	29.0	40.7	45.0	96	1.0	51.3	5.0	3.0
R98026	R94037/R94161, MERLOT	13	27.1	40.4	45.0	99	2.0	52.0	4.0	3.0
R12844	SR9-5/R09508	5	26.7	34.4	45.0	95	1.5	48.8	4.5	2.0
R13848	Merlot/I11209	16	26.5	35.3	47.0	102	1.5	53.8	3.5	4.0
S08418	S02754/S04503, ROSETTA	6	26.0	36.2	45.0	98	1.5	52.5	5.0	3.0
R13821	Merlot/I11209	20	25.8	37.2	49.0	102	1.5	53.8	3.8	4.0
R12845	SR9-5/R09508	1	25.7	37.0	44.0	99	1.8	52.0	4.5	2.0
R13526	X10308/R08514	12	25.7	38.1	47.0	95	1.5	50.0	4.5	3.0
S14706	Rosetta/S11707	8	25.2	37.1	44.0	99	1.3	50.3	5.0	2.0
R12843	SR9-5/R09508	4	25.1	34.3	44.0	96	1.5	49.0	4.8	1.0
R13537	Merlot/X10316	9	24.2	35.0	46.0	98	1.8	51.3	4.3	3.0
R11801	X07712/X07721, DESERT SONG	18	23.8	32.9	43.0	94	2.3	45.0	4.0	3.0
S14707	Rosetta/S11707	15	22.2	32.4	44.0	96	1.3	48.5	4.3	2.0
S14702	S11707/S08419	7	22.1	35.2	44.0	97	1.0	50.3	4.5	4.0
R11806	X07714/X07710, GYPSY ROSE	17	21.7	32.0	48.0	101	2.3	49.0	4.0	3.0
S14704	S11707/S08419	11	21.7	36.8	46.0	101	1.0	50.0	4.5	2.0
S14708	Rosetta/S11707	14	21.3	32.7	44.0	98	1.0	50.0	4.5	1.0
S14703	S11707/S08419	10	19.7	34.1	44.0	97	1.3	50.3	4.3	3.0
MEAN (20)			25.1	35.3	45.1	98	1.5	50.4	4.3	2.7
LSD (.05)			2.8	1.7	1.2	2	0.5	1.6	0.5	(1 Rep)
CV (%)			9.4	4.1	1.5	1	28.2	2.6	10.4	

EXPERIMENT 5107 PRELIMINARY RED AND PINK YIELD TRIAL								PLANTED: 6/5/15		
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB
		/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-5)	
I13401	SR 09303, VIPER	45	36.9	31.3	45.0	102	1.7	52.0	4.0	3.0
I15602	PK12-3	35	31.4	37.7	48.0	100	3.0	44.3	3.0	3.0
I13446	SR 09304, RUBY	46	31.4	34.3	44.0	102	2.0	48.7	3.7	3.0
R15629	SR9-5/R09508, R12845-05	29	31.1	33.5	45.0	98	1.0	52.0	5.0	1.0
R12844	SR9-5/R09508	41	30.8	34.9	45.0	96	1.7	50.0	4.7	1.0
R15626	SR9-5/R09508, R12845-01	26	30.7	37.3	45.0	97	1.7	52.0	5.0	1.0
R12845	SR9-5/R09508	42	30.6	33.7	45.0	96	1.7	51.3	5.0	1.0
R15625	SR9-5/R09508, R12844-06	25	30.3	34.6	45.0	96	2.0	51.0	4.3	2.0
R15630	SR9-5/R09508, R12845-06	30	30.0	33.5	45.0	98	1.7	51.7	5.0	1.0
R15628	SR9-5/R09508, R12845-04	28	28.9	35.8	44.0	96	2.0	50.7	4.3	1.0
R15624	SR9-5/R09508, R12844-05	24	28.9	34.0	44.0	95	1.3	50.7	4.3	1.0
R13752	Merlot/SER48	48	28.4	40.5	45.0	97	1.0	50.7	5.0	3.0
R15620	SR9-5/R09508, R12844-01	20	28.4	35.2	44.0	94	2.0	49.0	4.0	1.0
R15610	Merlot//IBC301-204/R11633	10	28.2	33.1	49.0	103	3.0	45.0	3.0	3.0
R98026	R94037/R94161, MERLOT	43	27.9	39.9	45.0	99	2.0	50.7	3.7	2.0
R15622	SR9-5/R09508, R12844-03	22	27.7	36.3	45.0	99	2.0	52.0	4.0	1.0
R15609	Merlot//Dorado/R11615	9	27.4	44.3	46.0	99	1.3	53.3	4.7	3.0
I15605	SR10-2-1	38	26.6	39.3	43.0	94	2.0	47.7	4.3	3.0
R15623	SR9-5/R09508, R12844-04	23	26.1	35.7	44.0	95	2.0	50.7	4.3	1.0
R15627	SR9-5/R09508, R12845-03	27	26.1	35.7	45.0	99	2.0	52.0	4.3	1.0
R15612	Merlot//IBC301-204/R11633	12	25.9	34.5	46.0	96	2.0	49.7	4.3	3.0
S08418	S02754/S04503, ROSETTA	44	25.8	35.3	44.0	101	1.3	51.7	4.3	2.0
R15607	R11614/PS02-050-2	7	25.7	29.7	44.0	100	2.0	48.7	4.0	2.0
R15602	R11614/PS02-050-2	2	25.5	28.6	44.0	100	1.7	53.7	4.7	2.0
I13428	PK10-19-2	33	25.5	34.4	42.0	94	1.7	49.0	4.0	3.0
R15621	SR9-5/R09508, R12844-02	21	25.3	33.2	45.0	96	2.0	50.7	4.0	1.0
I15603	PK12-11-6-B	36	24.9	33.7	44.0	93	1.7	45.3	3.3	3.0
S14706	Rosetta/S11707	47	24.7	34.7	45.0	99	1.0	50.0	5.0	3.0
I15607	SR12-9	40	24.6	36.8	44.0	99	2.0	49.3	4.0	3.0
R15606	R11614/PS02-050-2	6	24.1	30.2	43.0	97	2.0	49.7	4.3	2.0
R15601	R11614/PS02-050-2	1	24.1	29.9	44.0	99	1.0	49.7	5.0	2.0
R15605	R11614/PS02-050-2	5	24.0	29.2	44.0	98	1.3	49.7	5.0	2.0
I15601	PK11-5-5-B2	34	23.6	27.2	40.0	93	2.0	48.7	3.3	4.0
R15611	Merlot//IBC301-204/R11633	11	23.5	31.6	46.0	94	2.0	49.0	4.0	2.0
I15606	SR10-20-7	39	23.5	27.7	44.0	93	1.0	47.0	4.0	3.0

EXPERIMENT 5107 PRELIMINARY RED AND PINK YIELD TRIAL							PLANTED: 6/5/15			
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-5)
R15613	Merlot//F07-449-9-3/R11633	13	23.4	34.4	47.0	104	1.3	54.3	3.3	3.0
R15615	R11610/PS02-050-2	15	23.2	26.1	44.0	93	1.7	46.3	4.3	3.0
R15614	Merlot//F07-014-22-2/R11633	14	23.2	32.0	48.0	99	1.3	51.3	4.0	3.0
R15603	R11614/PS02-050-2	3	22.9	26.4	44.0	96	1.7	48.0	4.7	2.0
I15604	SR10-2-4(1)	37	22.7	34.8	43.0	93	1.0	46.3	4.0	3.0
R15618	R11616/R12824	18	22.5	26.6	44.0	94	1.0	44.7	4.0	2.0
R15616	R11610/PS02-050-2	16	22.0	27.4	43.0	94	2.0	47.3	4.0	4.0
R15617	R11616/R12824	17	21.2	24.6	43.0	94	1.0	47.3	4.0	3.0
R15619	R11616/R12824	19	20.2	28.5	44.0	94	1.0	45.0	3.7	3.0
R15604	R11614/PS02-050-2	4	19.8	25.7	44.0	103	2.0	51.7	3.7	1.0
R15608	R11616/R12859	8	19.6	35.5	45.0	104	2.0	55.0	3.7	3.0
I13427	PK10-3-6	32	19.6	32.1	43.0	95	2.0	50.3	4.0	3.0
I09204	PK9-1	31	18.6	32.4	40.0	92	2.7	47.7	3.0	3.0
MEAN (48)			25.8	33.0	44.2	97.1	1.7	49.6	4.2	2.3
LSD (.05)			3.4	1.9	1.4	1.1	0.4	1.2	0.5	(1 Rep)
CV (%)			9.7	4.2	1.9	0.9	17.3	1.8	9.1	

EXPERIMENT 5108 MRPN/CDBN YIELD TRIAL							PLANTED: 6/5/15			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
I15647	CO 14790-3	5	32.8	43.6	44.0	105	1.7	53.0	4.0	3.0
I15652	ND121630	14	32.1	37.8	45.0	100	1.7	53.7	3.3	3.0
I15646	CO 92737	4	30.8	32.6	43.0	93	2.0	48.3	3.7	3.0
P07863	AN-37/P02630, ELDORADO	35	29.4	44.0	42.0	103	2.0	53.3	4.0	3.0
I14530	CO 86660-14	6	29.2	40.3	44.0	92	1.7	49.3	3.7	2.0
I11238	ND090713	13	28.8	36.6	43.0	94	1.0	48.0	4.3	3.0
I15633	PT 9-5-6	30	28.0	35.2	44.0	93	1.7	48.7	4.0	2.0
R11801	X07712/X07721, DESERT SONG	24	27.5	32.5	43.0	91	2.0	46.0	3.7	3.0
I15630	ISB13-796	23	27.5	41.0	44.0	94	2.0	49.7	3.3	2.0
P14815	P08522/LONG'S PEAK	20	27.4	36.7	44.0	92	1.0	50.0	6.0	3.0
I15648	CO 03184-13	8	26.8	36.5	43.0	92	1.0	47.7	3.0	1.0
I15650	CO 25069-2	10	26.2	35.2	43.0	90	2.0	48.0	3.3	2.0
R11806	X07714/X07710, GYPSY ROSE	25	25.6	35.3	47.0	105	2.7	49.0	3.3	3.0
I15639	UIP-40	37	25.3	38.4	46.0	103	1.3	51.0	4.0	3.0
I15645	COSD-44	43	24.9	37.5	43.0	92	2.0	48.0	3.0	2.0
I15649	CO 12776-4	9	24.9	35.8	44.0	91	2.0	47.0	3.3	3.0
I14519	23ST-27	44	24.5	38.8	44.0	91	2.0	45.3	3.3	3.0
I15644	COSD-35	42	24.4	38.6	44.0	96	2.0	48.3	3.0	2.0
I11244	CO 91216-15	7	24.0	39.7	43.0	92	1.3	48.7	3.3	2.0
I15655	NE4-14-14	17	23.9	40.9	45.0	102	2.0	48.3	3.0	3.0
I15640	UIP-46	38	23.9	41.1	44.0	95	1.3	50.3	3.7	4.0
G13444	G07302//G08274/P08410	21	23.6	33.9	43.0	94	1.0	48.3	4.7	3.0
I15635	ISB1173-1	32	23.2	44.7	40.0	94	2.0	48.7	3.0	2.0
I15651	ND121453	11	22.8	38.3	45.0	102	1.0	55.3	4.0	3.0
I15615	EI Diablo FU	46	22.5	40.5	43.0	92	2.0	47.3	3.0	2.0
I15654	NE3-14-15	16	22.4	36.1	43.0	97	2.3	47.0	3.3	2.0
P14811	P08403/G11405	19	22.3	36.1	44.0	92	1.0	47.3	3.7	4.0
G12901	G07321/Fuji, SAMURAI	47	22.2	27.0	44.0	105	2.0	52.7	4.3	3.0
I15632	GN10-17-4	27	22.2	32.9	44.0	92	1.3	46.3	4.0	4.0
G08254	G04514/Matterhorn, POWDERHORN	28	21.7	31.8	44.0	92	1.0	48.7	4.7	3.0
I99117	BUSTER	1	21.5	36.6	43.0	90	2.3	43.0	3.0	1.0
I15636	ISB1231-1	33	21.0	42.9	38.0	91	2.7	47.3	2.7	3.0
I15638	UIP-35	36	20.7	32.8	45.0	96	2.0	48.3	3.3	4.0
I15642	COSD-7	40	20.5	43.1	43.0	97	2.0	49.0	3.3	2.0
G13479	Eldorado/G09312	22	20.2	30.3	39.0	92	1.0	48.3	5.0	3.0

EXPERIMENT 5108 MRPN/CDBN YIELD TRIAL								PLANTED: 6/5/15		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
I15656	NE4-14-53	18	20.0	39.0	43.0	95	2.3	45.7	3.0	2.0
I15641	COSD-3	39	18.9	36.4	44.0	94	2.0	48.3	3.0	3.0
I15643	COSD-25	41	18.6	41.9	44.0	94	2.0	48.3	3.0	2.0
I13450	CO 91212-4, CENTENNIAL	31	18.6	38.7	46.0	110	2.0	50.7	3.0	1.0
I15631	GN10-5-6	26	17.8	35.8	46.0	106	2.0	50.0	3.0	3.0
I10113	ND080412	12	16.8	32.3	44.0	100	2.0	49.7	3.3	3.0
I15653	NE1-14-5	15	16.5	33.5	43.0	92	2.3	46.3	3.0	3.0
G93414	MATTERHORN	2	16.2	33.4	43.0	91	2.0	46.0	3.0	3.0
I98313	CO51715, MONTROSE	3	16.2	38.5	44.0	90	3.0	30.0	1.7	3.0
C06808	I01800/C03129, BELLAGIO	48	16.0	39.8	42.0	98	2.0	50.0	4.3	2.0
I14520	SF103-8	45	13.6	32.7	38.0	100	2.3	48.7	2.7	3.0
I15637	ISB1259-60	34	12.3	39.0	37.0	89	1.0	47.3	2.7	3.0
I84002	NW410/VICTOR/AURORA, OTHELLO	29	7.8	39.9	37.0	88	2.7	40.0	2.0	4.0
MEAN (48)			22.6	37.2	42.9	95.5	1.8	48.1	3.5	2.7
LSD (.05)			3.9	2.0	1.5	3.5	0.5	1.7	0.6	(1 Rep)
CV (%)			12.7	4.0	2.0	2.7	18.4	2.6	13.5	

EXPERIMENT 5209 STANDARD ANDEAN YIELD TRIAL

PLANTED: 6/10/15

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	STAND (1-5)
I13421	ND061106, ROSIE	20	30.0	61.5	44.0	109	1.0	48.3	5.0	4.5
I15622	DYNASTY	54	28.0	71.8	43.0	109	1.0	47.5	4.8	3.0
I14513	DBY-28-1	10	27.1	49.9	47.0	103	1.0	45.8	4.8	2.8
K90902	BEA/50B1807//LASSEN, BELUGA	18	26.0	64.3	45.0	109	1.0	48.5	5.0	3.3
I13422	ACUG 10-W1, YETI	39	25.9	64.8	45.0	109	1.0	46.8	4.0	3.0
K15303	K11303/K11308	42	25.1	57.2	44.0	105	1.0	47.8	5.3	3.0
K15302	K11303/K11308	41	24.9	57.4	43.0	103	1.0	46.3	4.5	3.8
I15620	DRK 07323, CHAPARRAL	52	24.7	55.1	44.0	105	1.0	45.3	4.3	3.8
K15304	K11306/K11916	43	24.6	55.9	45.0	103	1.0	45.8	5.0	4.3
Y11405	FR-07-AZP-14-06	3	23.7	57.4	46.0	109	1.0	48.0	5.0	3.8
I11201	Pink Panther//ZAA/Montcalm, CLOUSEAU	8	23.2	74.8	44.0	106	1.0	46.3	4.0	3.3
I11233	OAC 07-L1, OAC INFERNO	38	23.1	69.9	45.0	109	1.0	48.8	4.8	3.3
I92014	ETNA	30	22.6	70.8	44.0	104	1.0	44.0	4.3	3.0
I10105	Montcalm/DRK15, MAJESTY	53	22.6	81.9	48.0	108	1.0	48.5	4.8	2.8
K15601	K11306/K11916	44	22.4	57.1	43.0	105	1.0	45.8	4.8	4.3
I15619	LRK 09351, BIG RED	51	21.4	68.4	44.0	106	1.0	46.5	4.0	3.3
K15901	K11714/K11914	45	20.6	63.6	44.0	104	1.0	45.3	4.8	3.5
I13420	ND061210, TALON	16	20.3	62.8	44.0	106	1.0	48.0	4.5	2.8
K90101	CHAR/2*MONT, RED HAWK	17	20.1	65.4	43.0	106	1.0	46.0	3.8	3.0
I15624	UCD 0908	56	19.4	63.5	45.0	111	1.0	48.3	4.0	3.5
C13411	CAPRI/I08969	31	19.3	59.7	44.0	103	1.0	44.8	4.8	3.5
K15906	K08961/K12811	50	19.3	71.5	43.0	104	1.0	46.3	4.5	3.3
K11709	K06012//K06014/K07715	4	18.4	59.9	44.0	104	1.0	44.3	4.3	3.0
I15623	UCD 0701	55	18.3	69.7	44.0	108	1.0	48.0	5.0	3.0
K11714	K08601/K08233	5	18.2	68.3	44.0	106	1.0	48.5	5.0	2.5
I90013	CELRK	12	17.1	70.9	44.0	103	1.0	44.5	3.8	2.3
K74002	MDRK/CN(3)-HBR(NEB#1), MONTCALM	19	16.9	68.2	45.0	110	1.0	47.5	3.8	2.3
I15626	ND122472	15	16.8	58.1	45.0	110	1.0	47.5	3.8	3.0
C13414	C08714/BELLAGIO	34	16.8	67.5	43.0	107	1.0	45.3	4.0	2.3
I14515	DBY-60-1	9	16.7	48.5	44.0	105	1.0	43.8	4.0	2.0
K15301	K11303/K11308	40	16.0	60.1	43.0	103	1.0	44.3	3.8	2.5
K08961	K04604/USDK-CBB-15, SNOWDON	11	15.8	70.2	43.0	103	1.0	45.5	4.3	2.5
C11373	C08706/C08712	32	15.6	62.7	42.0	101	1.0	43.8	4.3	3.5
K14101	K11911/K11304	28	15.5	67.6	44.0	102	1.0	45.3	4.3	2.3
C13410	CAPRI/I08969	35	15.4	58.8	44.0	105	1.0	43.3	4.0	2.5
K15904	K08961/K11909	48	15.4	58.6	43.0	102	1.0	42.8	3.8	2.8
K14814	Clouseau/K11308	23	15.2	58.9	44.0	105	1.0	46.3	4.0	2.0
K14805	Snowdon/Isabella	24	15.0	71.5	42.0	103	1.0	43.3	3.8	2.8
C13413	C07411/C08712	33	15.0	65.9	44.0	104	1.0	44.8	4.3	2.8
K15905	K08961/K11909	49	13.4	59.5	43.0	103	1.0	44.3	3.8	3.5

EXPERIMENT 5209 STANDARD ANDEAN YIELD TRIAL

PLANTED: 6/10/15

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	STAND
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-5)
K15903	K08961/K11909	47	12.9	59.9	41.0	102	1.0	43.5	3.8	3.0
K14807	Snowdon/Isabella	27	12.6	66.2	43.0	104	1.0	43.8	3.5	2.5
K11306	K06621/USDK-CBB-15	1	12.2	60.7	43.0	105	1.0	46.3	3.8	2.0
K13909	K07921//K08971/K08233	6	12.2	55.7	43.0	103	1.0	42.0	3.5	2.8
C13406	C08714//C08717/CAPRI	36	11.9	62.6	44.0	104	1.0	43.5	3.8	3.0
K13902	K06939/WALLACE//K08938	14	11.8	62.1	42.0	103	1.0	43.3	3.5	2.8
K14703	Isabella/Snowdon	22	11.7	60.8	42.0	103	1.0	42.8	3.5	2.5
C14504	C08714/I11269	29	11.5	51.2	41.0	102	1.0	42.0	3.3	3.3
C11269	C07401//CBB-20/C05653	37	11.5	63.7	42.0	103	1.0	43.5	3.8	2.0
K14104	K08222/K11803	25	11.3	63.4	43.0	106	1.0	44.8	3.8	1.8
K14803	K10902//K08920/K10902	26	10.5	63.6	45.0	104	1.0	44.0	3.5	1.5
K15902	K12811/K08961	46	10.4	58.3	43.0	100	1.0	41.8	3.3	3.3
K11919	K04607/USWK-CBB-17	7	9.6	50.6	42.0	100	1.0	42.0	2.8	3.0
K12803	K07921//K08971/K08233	13	9.6	59.8	44.0	102	1.0	42.0	3.0	2.5
K14810	K11907/K11304	21	8.9	52.0	43.0	104	1.0	44.0	3.8	2.0
K13908	K07921//K08971/K08233	2	8.7	60.4	42.0	101	1.0	42.5	3.3	2.3
MEAN (56)			17.6	62.5	43.4	104.6	1.0	45.2	4.1	2.9
LSD (.05)			5.0	3.5	1.9	1.8	-	1.6	0.6	0.9
CV (%)			24.3	4.8	2.7	1.5	-	3.0	13.5	27.6

EXPERIMENT 5210 NATIONAL WHITE MOLD YIELD TRIAL

PLANTED: 6/10/15

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	WM (1-5)	WM %	STAND
P07863	AN-37/P02630, ELDORADO	57	34.7	45.7	48.0	110	1.0	52.3	5.0	2.0	22.2	4.0
B10244	B04644/ZORRO, ZENITH	43	30.7	23.7	50.0	109	1.0	50.0	5.7	1.3	14.8	4.3
I13446	SR 09304, RUBY	63	30.5	34.4	49.0	105	2.0	48.7	3.3	2.7	29.6	4.3
B14307	B11271/B11343	37	30.4	19.8	51.0	109	1.0	52.3	5.0	2.3	25.9	4.7
I13401	SR 09303, VIPER	54	30.4	33.1	48.0	108	1.3	49.0	4.0	1.7	18.5	4.7
G14506	G11469/G11417	48	29.9	33.8	49.0	104	1.3	49.7	5.3	2.0	22.2	3.7
B13204	B09174/VCW54-1	33	29.5	28.1	47.0	108	1.0	50.3	5.3	1.7	18.5	4.3
B13218	B09175/I09215	31	29.3	30.2	48.0	108	1.0	49.3	5.3	1.0	11.1	4.7
N13142	N08007/N09046	16	28.8	23.0	48.0	105	1.0	49.3	5.7	1.3	14.8	5.0
B14311	B11338/B10241	35	28.4	24.7	50.0	109	1.0	50.0	5.7	1.0	11.1	5.0
G14530	P11518/G11405	46	28.2	41.3	49.0	108	1.7	52.7	5.7	1.3	14.8	4.3
R13752	Merlot/SER48	1	28.1	42.1	48.0	106	1.3	49.3	4.3	1.3	14.8	3.7
I13445	039-A-5	3	27.6	41.1	48.0	107	1.0	49.3	4.3	1.3	14.8	3.0
B14308	B11301/B10222	39	27.5	22.8	51.0	106	1.0	48.7	5.3	1.0	11.1	4.7
N14229	N11275/N11256	25	26.2	20.6	50.0	105	1.0	49.3	5.3	1.3	14.8	5.0
G14507	G09329/G10412	49	26.0	34.9	48.0	105	1.3	48.0	5.3	2.3	25.9	4.0
G12901	G07321/Fuji, SAMURAI	23	26.0	29.6	49.0	108	1.0	50.3	5.3	3.0	33.3	4.7
B14309	B11338/B10222	40	25.9	22.3	49.0	106	1.0	48.7	5.7	1.0	11.1	5.0
N14202	N11249/N11256	22	25.4	24.9	49.0	108	1.7	52.7	5.3	1.3	14.8	3.7
N14218	N11256/N11298	21	25.4	21.0	50.0	108	1.0	48.7	5.3	1.3	14.8	4.7
N12457	B09174/N09056	17	25.3	22.1	48.0	105	1.0	48.3	5.0	1.3	14.8	5.0
G14509	G11404/Eldorado	47	24.7	44.4	48.0	107	2.0	50.3	4.3	3.3	37.0	4.7
I15628	LIGHTHOUSE	6	24.4	24.8	49.0	110	1.0	48.0	4.7	1.0	11.1	4.3
N12447	B09174/N09056	15	23.9	24.9	49.0	105	1.0	49.0	5.3	2.3	25.9	4.7
G13444	G07302//G08274/P08410	45	23.9	33.9	48.0	103	1.0	48.3	5.3	1.0	11.1	3.3
N14201	N11249/N11256	28	23.7	22.2	51.0	109	1.0	50.0	5.7	1.0	11.1	4.7
S14708	Rosetta/S11707	60	23.4	44.7	50.0	107	1.0	49.0	4.0	1.3	14.8	2.0
N14230	N11275/N11256	18	23.3	21.8	49.0	107	1.3	50.3	5.3	1.3	14.8	4.7
S08418	S02754/S04503, ROSETTA	62	23.2	41.2	50.0	109	1.7	50.0	3.7	1.0	11.1	2.3
R12845	SR9-5/R09508	58	22.9	38.9	47.0	103	1.0	48.7	4.7	1.7	18.5	4.3
P14811	P08403/G11405	55	22.7	38.8	47.0	103	1.3	49.3	4.3	1.7	18.5	4.7
N13131	N09175/N08007	13	22.6	23.5	49.0	105	1.0	47.7	5.3	1.3	14.8	4.7
B04554	B00103*/X00822, ZORRO	42	22.4	26.1	49.0	109	1.0	49.0	5.0	1.7	18.5	4.0
N14231	N11275/N11264	19	22.3	24.3	50.0	107	2.0	50.0	4.3	1.3	14.8	4.0
I08933	37-2, USPT-WM-12	4	22.2	42.1	49.0	105	1.0	49.0	4.0	2.0	22.2	2.0
N13140	N05324/MEDALIST	10	22.2	21.7	48.0	106	1.0	49.0	5.7	1.0	11.1	5.0
B13220	B09175/TARS-MST1	34	22.1	25.1	49.0	103	1.0	47.0	5.7	1.3	14.8	5.0
G14505	G11429/P08175	50	22.0	29.3	47.0	103	1.0	47.7	4.3	1.3	14.8	4.7
N11283	MEDALIST/N08003, ALPENA	30	21.8	22.1	48.0	104	1.0	49.3	6.0	2.0	22.2	4.3
P14815	P08522/LONG'S PEAK	2	21.8	38.5	49.0	101	1.0	48.0	5.0	1.3	14.8	3.3

EXPERIMENT 5210 NATIONAL WHITE MOLD YIELD TRIAL

PLANTED: 6/10/15

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING (1-5)	HEIGHT (cm)	DES. SCORE	WM (1-5)	WM %	STAND
S14706	Rosetta/S11707	59	21.6	42.6	48.0	108	1.3	50.0	3.7	1.3	14.8	2.0
B13223	PR0443-151/B09175	32	21.5	26.9	51.0	110	1.0	49.7	5.0	2.0	22.2	5.0
B14313	B11343/B09196	41	21.4	21.6	48.0	103	1.0	45.7	4.7	1.3	14.8	5.0
B14302	B09197/B11334	36	21.4	22.8	51.0	110	1.0	50.3	5.3	2.7	29.6	4.7
N14238	Alpena/N11249	24	21.2	19.4	48.0	104	1.0	46.7	5.3	1.0	11.1	4.3
N14215	N11256/N11292	20	20.5	22.0	49.0	105	1.3	48.3	5.0	1.7	18.5	4.0
P14812	P09425/P08161	56	20.5	45.7	48.0	103	1.0	47.7	5.0	2.0	22.2	3.7
N14243	N11284/N11277	27	20.0	20.6	51.0	103	1.3	50.3	4.7	2.0	22.2	4.3
I15621	MIST	5	20.0	24.3	48.0	110	1.0	47.7	4.7	1.0	11.1	4.0
R98026	R94037/R94161, MERLOT	61	19.4	40.5	49.0	106	2.0	48.3	4.0	2.0	22.2	4.0
B14310	B11338/B10241	38	19.3	23.2	50.0	104	1.0	43.7	4.7	1.0	11.1	5.0
B12724	B09184/B09135	11	18.7	24.9	50.0	105	1.0	47.0	5.0	1.3	14.8	4.7
I81010	JAPON3/MAGDALENE, BUNSI	7	18.6	22.9	47.0	108	1.7	46.7	3.7	1.7	18.5	4.0
R12844	SR9-5/R09508	12	18.4	38.1	47.0	102	1.3	48.0	4.7	1.3	14.8	3.7
I14520	SF103-8	64	17.9	46.2	43.0	106	1.3	45.7	3.3	1.0	11.1	4.0
I11264	COOP 03019, MERLIN	29	17.9	21.5	49.0	108	1.0	49.3	4.7	1.3	14.8	4.0
G14503	G11404/G11469	51	17.8	41.1	48.0	104	1.0	46.7	4.7	1.0	11.1	4.3
G08254	G04514/Matterhorn, POWDERHORN	53	16.8	41.9	48.0	102	1.0	47.0	4.7	1.0	11.1	3.7
I89011	RB, BERYL	8	16.5	36.1	46.0	101	2.7	43.0	3.0	2.7	29.6	4.3
G13479	Eldorado/G09312	44	16.1	35.5	47.0	102	1.3	47.7	4.7	2.0	22.2	4.0
N14206	N11256/N11258	26	15.6	21.2	48.0	105	1.0	45.7	4.7	1.3	14.8	4.3
G14520	P08369/G09303	52	15.0	34.8	48.0	102	1.3	47.7	4.3	1.3	14.8	4.0
N13120	N08003/N05324	14	13.0	25.5	48.0	103	1.0	46.3	5.3	1.3	14.8	4.7
I96417	G122	9	8.6	46.5	43.0	109	1.3	44.3	3.0	2.0	22.2	5.0
MEAN (64)			22.9	30.5	48.4	105.9	1.2	48.6	4.8	1.6	17.3	4.2
LSD (.05)			4.6	1.7	1.9	2.4	0.4	2.1	0.8	0.9	9.7	1.0
CV (%)			14.7	4.2	2.4	1.7	25.3	3.3	12.6	41.4	41.4	16.8

EXPERIMENT 5111 DRY BEAN DROUGHT NURSERY YIELD TRIAL								PLANTED: 6/5/15		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
R12844	SR9-5/R09508	22	30.8	34.5	43.0	93	48.7	1.3	4.3	1.0
B10244	B04644/ZORRO, ZENITH	23	30.3	24.7	45.0	101	51.0	1.3	5.0	1.0
I14550	Merlotx(98020-3-1-6-2xTacana)	13	29.6	27.3	45.0	98	48.3	2.0	4.3	1.0
I05834	ND020351, STAMPEDE	20	27.2	42.0	44.0	94	46.7	1.7	4.0	3.0
I14546	(USPT-ANT)x('Matterhornx98078-5-1-5-1)	9	26.1	38.8	42.0	93	47.7	1.3	4.0	2.0
I14543	(Tacana x VAX6)	6	25.8	24.9	43.0	97	47.7	1.0	4.0	2.0
B04554	B00103*/X00822, ZORRO	24	25.1	20.2	45.0	101	51.3	1.3	5.0	2.0
I14542	(MoralesxXAN 176)x('EAP 9503-32A)	5	24.9	27.8	43.0	91	47.0	2.0	3.7	2.0
I14541	(Black Rhino)x(SEN 10 (SB-DT1))	4	24.5	24.8	44.0	97	48.7	1.7	4.0	1.0
G08254	G04514/Matterhorn, POWDERHORN	21	24.3	31.4	41.0	92	48.3	1.3	5.0	3.0
I14553	Merlotx(05F-5055-1x98020-3-1-6-2)	16	24.0	31.0	43.0	93	47.0	1.3	4.0	1.0
I14549	Merlotx(98020-3-1-6-2xTacana)	12	24.0	28.1	44.0	97	50.0	1.7	4.0	3.0
G93414	MATTERHORN	17	22.0	32.9	43.0	91	47.0	2.0	4.3	4.0
I14548	Merlotx(MerlotxSER 16)	11	21.8	40.1	43.0	93	45.3	2.0	3.0	2.0
I14552	10486 (TARS-MST1)	15	19.9	21.8	44.0	98	47.0	1.0	4.0	1.0
I14539	(MoralesxXAN 176)x('BAT 477xB98311)	2	18.5	24.4	44.0	98	48.3	2.0	3.3	1.0
R98026	R94037/R94161, MERLOT	19	18.4	37.3	38.0	91	42.7	1.7	2.3	2.0
I14540	(BAT 477xL88-63)x('BelMiDak RMR10xB01741)	3	16.6	17.5	46.0	94	47.3	1.3	3.7	4.0
I14544	(BelMiDak RMR10xB01741)x('BAT 477xL88-63)	7	16.5	21.9	45.0	100	48.3	2.0	3.3	2.0
BC138	Marquis	18	15.8	28.2	40.0	94	43.0	3.0	3.0	1.0
I14551	10457	14	15.1	28.7	43.0	91	44.0	1.7	3.0	2.0
I14538	(Tacana x VAX6)	1	14.6	18.9	45.0	103	45.7	2.7	3.0	2.0
I14545	(Matterhorn)x(SER 21)	8	14.4	31.0	45.0	94	45.0	2.3	3.0	2.0
I14547	(ABCP8)x(TARS-PT03-1xVAX 6)	10	13.6	20.9	43.0	94	46.0	2.0	3.0	1.0
MEAN (24)			21.8	28.3	43.2	95.4	47.2	1.7	3.8	1.9
LSD (.05)			3.8	1.6	1.1	3.8	1.6	0.7	0.5	(1 Rep)
CV (%)			12.6	4.0	1.5	2.9	2.5	28.3	8.9	