

2018 DRY BEAN YIELD TRIALS

Experiment	Title	Planting Date	Location	Entries	Design	Reps	Harvest Method
8101	STANDARD NAVY BEAN YIELD TRIAL	6/1/2018	SVREC	48	ALPHA LATTICE	4	DIRECT
8102	STANDARD BLACK BEAN YIELD TRIAL-1	6/1/2018	SVREC	54	ALPHA LATTICE	4	DIRECT
8103	STANDARD BLACK BEAN YIELD TRIAL-2	6/1/2018	SVREC	84	ALPHA LATTICE	3	DIRECT
8104	PRELIMINARY BLACK BEAN YIELD TRIAL	6/1/2018	SVREC	48	REC. LATTICE	3	DIRECT
8105	STANDARD GREAT NORTHERN BEAN YIELD TRIAL	6/4/2018	SVREC	42	REC. LATTICE	4	DIRECT
8106	STANDARD TEBO BEAN YIELD TRIAL	6/4/2018	SVREC	24	ALPHA LATTICE	4	DIRECT
8107	STANDARD PINTO BEAN YIELD TRIAL	6/4/2018	SVREC	36	SQ. LATTICE	4	DIRECT
8108	STANDARD RED AND PINK BEAN YIELD TRIAL	6/4/2018	SVREC	36	SQ. LATTICE	4	DIRECT
8109	MIDWEST AND CO-OP REGIONAL TRIAL	6/4/2018	SVREC	36	SQ. LATTICE	3	DIRECT
8110	CDBN CLASSIC-YIELD MODELING TRIAL	6/4/2018	SVREC	10	RCBD	3	DIRECT
8111	MIDDLE AMERICAN DIVERSITY PANEL -RACE MESOAMERICAN	6/4/2018	SVREC	96	ALPHA LATTICE	1	DIRECT
8112	MIDDLE AMERICAN DIVERSITY PANEL -RACE DURANGO	6/4/2018	SVREC	204	ALPHA LATTICE	1	DIRECT
8113	NATIONAL DRYBEAN DROUGHT YIELD TRIAL	6/4/2018	SVREC	32	ALPHA LATTICE	3	DIRECT
8214	STANDARD KIDNEY BEAN YIELD TRIAL	6/12/2018	MRF	56	REC. LATTICE	3	ROD PULLED
8215	STANDARD YELLOW BEAN YIELD TRIAL	6/12/2018	MRF	24	ALPHA LATTICE	4	ROD PULLED
8216	PRELIMINARY KIDNEY BEAN YIELD TRIAL	6/12/2018	MRF	48	REC. LATTICE	3	ROD PULLED
8217	SEED NUTRIENT TRIAL-IA STATE	6/12/2018	MRF	4	RCBD	3	ROD PULLED
8218	NATIONAL WHITE MOLD YIELD TRIAL	6/12/2018	MRF	32	ALPHA LATTICE	3	DIRECT
8419	PHASEOLUS IMPROVEMENT CO-OP (PIC) OBSERVATION TRIAL	6/26/2018	EL	96	RCBD	1	HAND PULLED
8420	YIELD DIFFERENTIAL INDEX TRIAL-WITH FERTILIZER	6/26/2018	EL	26	RCBD	2	DIRECT
8421	PUEBLA/ZORRO RILS-NO FERTILIZER OR INOCULANT	6/26/2018	EL	132	RCBD	1	HAND PULLED
8422	YIELD DIFFERENTIAL INDEX TRIAL-NO FERTILIZER	6/26/2018	EL	26	RCBD	2	DIRECT
8423	PUEBLA/ZORRO RILS-NO FERTILIZER, WITH INOCULANT	6/26/2018	EL	132	RCBD	1	

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.

SVREC-FRANKENMUTH: FERTILIZER BROADCAST: 400# OF 15-5-13 + S, ZN,MN,CU PRIOR TO PLANTING.
HERBICIDES APPLIED: 1.0 PT DUAL + 1.25 QT EPTAM APPLIED PPI.

MRF-ENTRICAN: FERTILIZER BROADCAST: 200# OF 19-10-19 PRIOR TO PLANTING. 100# 46-0-0 SIDE DRESSED ON JULY 11.
HERBICIDES APPLIED: 1.0 QT DUAL + 1.25 QT EPTAM + 1.0 QT SONOLAN APPLIED PPI. 4 OZ. RAPTOR + 13 OZ. REFLEX + 1 PT. BASAGRAN ON JULY 6.

EL-EAST LANSING: FERTILIZER BROADCAST:100# OF 46-0-10 PRIOR TO PLANTING ON TRIAL 8419 & 8420.
HERBICIDES APPLIED: 1.0 QT DUAL + 1.25 QT EPTAM + 1.0 QT SONOLAN APPLIED PPI.

EXPERIMENT 8101 STANDARD NAVY YIELD TRIAL

PLANTED: 6/1/18

NAME	PEDIGREE	ENTRY	YIELD CW1 100 SEED /ACRE	DAYS TO FLOWER	WT. (g) Maturity	DAYS TO Maturity	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
N18116	N14201/N15334	33	37.1	20.8	52.0	102.0	2.0	52.5	5.0
N18126	N15335/N14238	43	37.0	21.0	49.0	100.0	1.0	53.5	6.0
N18117	N14201/N15334	34	36.3	19.6	51.0	103.0	1.5	54.0	5.5
N18112	N13131/B14302	29	36.2	22.9	49.0	100.0	1.0	50.5	5.0
N18102	N13120/I15617	19	36.0	22.5	48.0	100.0	1.5	51.5	6.0
N11283	MEDALIST/N08003, ALPENA	16	35.5	22.1	47.0	103.0	2.0	49.0	4.0
I18630	NA 14068	14	35.5	26.6	47.0	104.0	2.0	55.0	4.5
N17506	N14230/N12447	4	35.4	21.7	48.0	100.0	1.0	52.5	5.5
N18127	N14201/N13131	44	35.0	19.2	47.0	99.0	1.0	51.5	5.0
N15337	N12466/N11258	8	34.7	20.3	49.0	99.0	1.5	50.5	5.0
N18119	N14218/N15341	36	34.6	20.0	50.0	100.0	1.5	52.5	5.0
N18118	N14201/N15334	35	34.6	20.2	51.0	102.0	1.5	53.0	6.0
N18104	N13131/N14201	21	34.4	21.8	48.0	101.0	2.0	52.0	5.0
N18109	N13131/B14302	26	34.4	23.2	47.0	101.0	1.0	51.5	5.5
N17505	N14230/N12447	10	34.3	22.3	48.0	99.0	1.0	53.0	6.0
N15306	N11230/N11298	13	34.2	20.8	47.0	101.0	2.0	50.0	5.0
N18122	N15334/N15335	39	34.0	23.0	48.0	101.0	1.0	55.0	6.5
N18113	N13131/B14302	30	33.8	22.2	49.0	100.0	1.0	52.0	5.5
N18128	N15341/N14238	45	33.8	23.4	48.0	99.0	1.0	54.0	6.0
N18105	N13131/N14201	22	33.7	20.6	49.0	100.0	1.5	51.5	5.0
I10101	COOP 02084, VIGILANT	12	33.3	23.3	47.0	100.0	1.0	53.0	5.0
N14230	N11275/N11256	2	33.3	18.7	48.0	99.0	1.5	52.5	5.5
I11264	COOP 03019, MERLIN	3	33.1	21.7	48.0	105.0	2.0	48.5	4.0
N18130	N15341/N14238	47	33.1	22.0	50.0	98.0	1.5	53.5	5.5
N18110	N13131/B14302	27	33.0	23.8	48.0	100.0	1.0	50.0	5.0
N18115	N13142/B14302	32	33.0	19.5	50.0	99.0	2.5	47.0	3.5
N18125	N15335/N14218	42	32.9	20.0	49.0	97.0	1.0	51.0	5.0
N18103	N13120/I15617	20	32.8	23.7	47.0	99.0	1.0	51.5	5.5
N18101	N13120/I15617	18	32.7	24.0	47.0	97.0	1.5	49.5	4.5
N18131	N15335/N13142	48	32.6	19.3	49.0	97.0	1.5	51.0	5.0

EXPERIMENT 8101 STANDARD NAVY YIELD TRIAL

PLANTED: 6/1/18

NAME	PEDIGREE	ENTRY	YIELD	CW1	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
N18129	N15341/N14238	46	32.5	21.2	48.0	98.0	1.0	48.5	4.5	
N17504	N14206/N14229	5	32.4	20.3	48.0	98.0	1.5	51.0	5.5	
N18108	N13131/B14302	25	32.2	21.8	48.0	99.0	1.0	52.5	5.5	
N14201	N11249/N11256	11	32.1	20.6	49.0	99.0	1.0	51.5	5.5	
N18120	N14238/N14229	37	32.1	20.7	48.0	99.0	1.0	51.0	5.0	
N18121	N14238/N14230	38	32.0	19.4	48.0	101.0	1.5	54.0	4.5	
N18106	N13131/N14238	23	31.7	22.3	48.0	98.0	1.5	50.0	5.0	
N18114	N13142/N13120	31	31.6	23.1	48.0	100.0	1.5	49.5	5.0	
N14229	N11275/N11256	1	31.3	18.2	51.0	98.0	1.5	52.0	5.0	
N18111	N13131/B14302	28	31.3	20.9	49.0	97.0	2.0	49.5	5.0	
N18107	N13131/N14238	24	30.8	22.1	47.0	99.0	1.0	50.0	5.0	
N18124	N15335/N14201	41	30.3	19.5	48.0	97.0	1.0	49.0	4.5	
N14218	N11256/N11298	6	30.3	20.3	50.0	100.0	1.5	50.0	5.0	
N17508	Alpena/N14229	7	29.8	19.1	48.0	98.0	1.0	52.0	6.0	
N16405	N12466/N11264	15	29.4	24.7	48.0	98.0	1.5	48.5	4.0	
N15313	N11258/N11277	9	28.4	19.4	47.0	97.0	2.0	48.0	4.0	
N18123	N15335/N14201	40	27.9	19.0	48.0	98.0	1.0	51.0	5.0	
I08958	Mayflower/Avanti, MEDALIST	17	27.8	22.0	47.0	105.0	2.5	50.0	4.0	
MEAN(48)			33.0	21.3	48.2	99.5	1.4	51.3	5.1	
LSD(.05)			3.5	1.0	1.1	1.7	0.7	1.7	0.7	
CV%			8.9	4.0	1.3	1.0	28.1	2.0	8.0	

EXPERIMENT 8102 STANDARD BLACK YIELD TRIAL (1)							PLANTED: 6/1/18		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
B18504	Zenith//Alpena*/B09197	50	44.5	23.3	48.0	102.0	1.0	52.0	6.0
B16504	Zenith//Alpena*/B09197	1	43.5	22.9	47.0	102.0	1.0	52.5	6.0
B15447	B11363/Zenith	3	43.3	25.0	48.0	102.0	1.0	52.0	5.0
B17315	B10244/B12724	24	43.0	22.9	49.0	101.0	1.5	51.5	5.0
B17271	B10244/B12724	27	42.0	25.5	47.0	99.0	1.5	50.0	4.5
B17293	B10244/B12724	25	41.7	25.0	47.0	99.0	2.0	50.0	4.5
B10244	B04644/ZORRO, ZENITH	16	41.5	26.2	47.0	102.0	1.0	52.5	5.0
B17207	B10244/B12724	46	41.3	23.4	48.0	99.0	1.0	52.5	5.0
B17286	B10244/B12724	37	41.2	25.1	47.0	99.0	1.0	49.0	4.0
B17265	B10244/B12724	43	41.0	24.4	48.0	99.0	1.0	51.5	4.5
B15427	Zenith/B11343	11	41.0	27.3	48.0	99.0	1.0	53.5	5.0
B17202	B10244/B12724	20	41.0	23.2	48.0	101.0	2.5	49.0	4.0
B16501	Zenith/B10215	5	41.0	25.4	48.0	100.0	1.0	52.0	5.0
B17260	B10244/B12724	31	40.4	24.4	47.0	101.0	2.0	49.5	4.0
B15430	Zenith/B12721	2	39.9	26.1	47.0	98.0	1.5	52.0	5.5
B17298	B10244/B12724	42	39.9	22.9	48.0	98.0	1.0	50.5	5.0
B17269	B10244/B12724	23	39.6	25.5	48.0	100.0	1.0	53.5	5.5
B15453	B11371/B11363	9	39.3	24.1	47.0	100.0	1.0	53.5	6.0
B17317	B10244/B12724	44	39.2	25.9	48.0	100.0	2.0	50.5	4.5
B17237	B10244/B12724	49	39.0	22.2	48.0	103.0	1.5	50.0	4.5
B17290	B10244/B12724	28	39.0	24.8	47.0	97.0	1.5	47.0	3.5
B17305	B10244/B12724	32	39.0	26.5	48.0	100.0	1.5	50.5	4.5
B17259	B10244/B12724	35	38.9	24.8	48.0	100.0	1.5	52.0	5.5
B16505	B11363//Alpena*/B09197	13	38.7	24.0	47.0	98.0	1.0	50.5	5.5
B15434	Zenith/B12721	6	38.6	24.5	48.0	100.0	1.0	55.0	6.0
B17214	B10244/B12724	39	38.6	26.6	48.0	100.0	2.0	49.5	4.0
B16503	Zenith/B12720	12	38.4	24.3	49.0	99.0	1.0	51.0	5.0
B17262	B10244/B12724	38	38.4	24.0	47.0	102.0	1.0	53.0	5.5
B15417	B10208/B09175	8	38.3	26.4	48.0	102.0	1.0	51.5	5.5
B15451	B11371/B11363	10	38.2	23.6	49.0	101.0	1.0	53.5	6.0

EXPERIMENT 8102 STANDARD BLACK YIELD TRIAL (1)							PLANTED: 6/1/18			
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING HEIGHT	DES.		
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
B17306	B10244/B12724	33	38.2	24.4	47.0	101.0	2.0	49.5	4.0	
B17328	B10244/B12724	22	38.0	26.1	47.0	99.0	2.5	48.0	4.0	
B17280	B10244/B12724	41	38.0	25.4	47.0	99.0	1.0	54.0	5.0	
B17340	B10244/B12724	34	38.0	24.3	48.0	99.0	2.0	50.5	4.5	
B17220	B10244/B12724	19	37.9	25.6	48.0	101.0	1.0	55.0	5.5	
B17255	B10244/B12724	26	37.8	24.2	49.0	102.0	2.0	50.5	4.5	
B17112	B14304/B10244	15	37.6	23.1	48.0	99.0	1.0	51.0	5.5	
B15411	B09175/B11363	4	37.5	22.5	47.0	99.0	1.0	51.0	5.0	
B17274	B10244/B12724	47	37.5	23.9	47.0	99.0	1.5	50.5	4.5	
B17225	B10244/B12724	48	37.5	22.8	47.0	98.0	2.0	48.0	4.0	
I17501	BL12576, BLACK BEAR	14	37.3	22.5	47.0	100.0	1.5	51.0	5.0	
B15443	B11363/B09175	7	37.2	25.9	47.0	99.0	1.5	52.0	5.5	
B17342	B10244/B12724	40	37.2	25.3	49.0	101.0	2.5	48.0	4.0	
B16507	B12720/Zenith	54	36.5	27.9	48.0	102.0	1.0	53.5	6.0	
B04554	B00103*/X00822, ZORRO	17	36.5	23.7	49.0	101.0	1.0	51.0	5.0	
B17218	B10244/B12724	21	36.2	26.0	48.0	102.0	2.0	49.5	4.0	
B17323	B10244/B12724	29	35.6	24.2	48.0	99.0	2.0	49.0	4.0	
B17325	B10244/B12724	45	35.4	23.0	48.0	101.0	2.0	48.0	4.0	
I18625	BLACK TAILS	52	35.3	23.2	47.0	98.0	1.0	50.5	4.0	
B17346	B10244/B12724	36	35.0	23.7	48.0	100.0	2.0	50.0	4.5	
B16506	B11363//Alpena*/B09197	53	34.9	23.8	47.0	99.0	1.0	52.0	5.5	
B17228	B10244/B12724	30	34.5	23.5	48.0	100.0	1.5	52.5	5.0	
I17517	ACUG 15-B4	51	34.2	23.5	48.0	99.0	2.0	47.5	3.5	
I03390	ND9902621-2, ECLIPSE	18	33.1	20.8	48.0	98.0	1.0	50.0	4.5	
MEAN(54)			38.6	24.4	47.5	99.8	1.4	51.0	4.8	
LSD(.05)			2.8	1.0	0.7	0.9	0.3	1.2	0.3	
CV%			6.1	3.5	0.9	0.6	13.5	1.4	4.0	

EXPERIMENT 8103 STANDARD BLACK YIELD TRIAL (2)

PLANTED: 6/1/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
B18504	Zenith//Alpena*/B09197	83	45.9	23.8	48.0	104.0	2.0	49.5	5.5
B17402	B14311/B10244	17	44.4	21.7	49.0	103.0	2.0	48.0	4.5
B16504	Zenith//Alpena*/B09197	82	44.1	23.7	48.0	104.0	1.5	51.0	5.5
B17887	B14302/B10244	59	44.0	25.1	49.0	104.0	2.0	53.0	5.5
B17023	B14303/B10244	76	44.0	22.6	49.0	102.0	1.0	53.0	5.5
B17487	B14311/B10244	7	44.0	25.3	48.0	102.0	1.0	52.0	5.5
B17871	B14302/B10244	56	43.8	22.1	48.0	102.0	2.0	51.0	5.5
B17511	B14311/B10244	2	43.8	25.4	48.0	101.0	1.0	49.0	4.5
B17528	B14311/B10244	12	43.8	23.8	48.0	104.0	2.5	52.5	5.0
B17922	B14302/B10244	42	43.7	23.8	48.0	102.0	1.0	51.5	5.5
B17449	B14311/B10244	14	43.6	23.7	49.0	102.0	1.5	51.0	5.5
B17540	B14311/B10244	18	43.4	22.6	48.0	100.0	1.0	50.0	5.0
B17460	B14311/B10244	11	43.3	24.0	49.0	103.0	1.0	52.0	5.5
B17850	B14302/B10244	47	43.1	23.7	47.0	102.0	1.5	49.0	4.5
B17486	B14311/B10244	22	43.0	22.0	48.0	102.0	1.5	51.5	4.5
B17536	B14311/B10244	6	42.9	22.8	47.0	104.0	2.0	51.5	5.0
B17832	B14302/B10244	64	42.8	20.9	49.0	102.0	1.0	51.5	5.5
B17844	B14302/B10244	52	42.8	22.3	48.0	101.0	1.0	51.0	5.0
B17541	B14311/B10244	19	42.6	22.6	48.0	102.0	1.0	50.0	5.0
B17472	B14311/B10244	10	42.5	22.6	49.0	104.0	1.0	52.5	5.0
B17522	B14311/B10244	15	42.4	23.7	48.0	104.0	2.0	51.5	5.0
B17804	B14302/B10244	46	42.3	21.9	49.0	102.0	1.0	49.5	4.5
B17879	B14302/B10244	43	42.2	22.5	48.0	100.0	1.5	48.5	4.0
B17860	B14302/B10244	62	42.1	23.6	47.0	103.0	1.5	50.0	4.5
B17859	B14302/B10244	53	42.1	22.7	47.0	100.0	1.5	48.5	4.0
B17897	B14302/B10244	67	42.0	23.2	47.0	103.0	1.0	51.5	5.5
B10244	B04644/ZORRO, ZENITH	78	41.8	26.0	48.0	103.0	1.5	51.5	5.0
B17703	B14311/B12724	40	41.5	23.9	48.0	100.0	1.0	49.5	4.5
B17416	B14311/B10244	1	41.4	26.9	47.0	101.0	2.5	48.0	3.5
B17659	B14311/B12724	36	41.3	23.4	47.0	101.0	1.0	52.0	4.5

EXPERIMENT 8103 STANDARD BLACK YIELD TRIAL (2)

PLANTED: 6/1/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
B17822	B14302/B10244	50	41.2	22.7	48.0	104.0	2.0	50.0	4.0
B17862	B14302/B10244	72	41.1	23.6	47.0	100.0	2.0	48.5	4.0
B17076	B14303/B10244	74	41.1	22.0	49.0	103.0	2.0	50.5	4.0
B17803	B14302/B10244	55	41.0	23.2	49.0	104.0	1.5	50.5	4.5
B17681	B14311/B12724	37	40.9	22.9	49.0	99.0	2.5	47.5	3.5
B17426	B14311/B10244	5	40.7	23.5	47.0	102.0	1.5	51.0	5.5
B17429	B14311/B10244	9	40.6	27.2	48.0	103.0	1.5	53.0	5.5
B17410	B14311/B10244	8	40.6	26.4	49.0	103.0	2.0	50.0	4.5
B17691	B14311/B12724	24	40.5	23.0	48.0	100.0	2.5	46.0	3.5
B17431	B14311/B10244	3	40.4	23.2	48.0	104.0	2.0	51.0	5.5
I18625	BLACK TAILS	84	40.3	22.5	47.0	99.0	2.0	49.5	4.0
B17413	B14311/B10244	20	40.2	23.0	49.0	102.0	1.0	52.0	5.5
B17813	B14302/B10244	49	40.2	22.2	47.0	102.0	1.0	50.5	5.0
B17839	B14302/B10244	68	40.1	24.4	48.0	100.0	1.5	51.0	4.5
B04554	B00103*/X00822, ZORRO	79	39.9	23.5	49.0	103.0	2.0	50.5	5.0
B17894	B14302/B10244	63	39.7	24.5	47.0	101.0	1.5	51.5	5.5
B17918	B14302/B10244	60	39.7	23.4	48.0	100.0	1.0	49.5	4.5
B17685	B14311/B12724	32	39.6	21.7	49.0	102.0	1.0	50.0	5.0
B17510	B14311/B10244	13	39.5	23.0	48.0	103.0	1.0	51.0	5.5
B17820	B14302/B10244	51	39.4	23.1	48.0	102.0	1.0	51.5	5.0
B17602	B14311/B12724	38	39.4	24.1	47.0	104.0	2.0	50.0	4.0
B17823	B14302/B10244	58	39.4	23.7	47.0	100.0	1.5	48.0	4.0
B17906	B14302/B10244	70	39.4	23.3	48.0	101.0	2.0	51.0	5.0
B17706	B14311/B12724	31	39.4	23.0	49.0	101.0	1.5	49.5	5.0
B17417	B14311/B10244	16	39.0	23.0	47.0	102.0	1.0	48.5	4.0
B17880	B14302/B10244	45	39.0	25.2	48.0	101.0	1.5	51.0	5.0
B17829	B14302/B10244	44	39.0	23.3	48.0	97.0	1.5	48.0	4.0
B17479	B14311/B10244	23	38.9	24.7	48.0	102.0	2.0	51.0	5.0
B17692	B14311/B12724	35	38.9	22.8	49.0	100.0	1.0	50.5	5.0
B17861	B14302/B10244	61	38.8	23.5	48.0	104.0	2.0	49.5	4.5
B17907	B14302/B10244	71	38.8	24.0	49.0	101.0	1.0	49.5	4.5
B17478	B14311/B10244	4	38.7	24.5	48.0	103.0	2.0	50.5	5.0

EXPERIMENT 8103 STANDARD BLACK YIELD TRIAL (2)

PLANTED: 6/1/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
B17624	B14311/B12724	39	38.6	23.3	48.0	99.0	1.5	49.0	4.0
B17658	B14311/B12724	27	38.5	21.8	48.0	100.0	2.0	49.5	4.5
B17838	B14302/B10244	69	38.4	23.1	48.0	102.0	2.0	47.0	4.0
B17625	B14311/B12724	26	38.3	24.3	48.0	102.0	2.5	49.0	4.0
B17749	B14311/B12724	33	38.2	22.9	47.0	101.0	2.5	50.5	4.5
B17096	B14303/B10244	75	38.1	22.1	47.0	100.0	1.0	49.0	4.5
B17477	B14311/B10244	21	37.8	21.6	47.0	102.0	1.5	49.0	4.0
B17875	B14302/B10244	41	37.8	21.5	48.0	100.0	1.5	49.0	4.5
I17501	BL12576, BLACK BEAR	81	37.3	22.0	48.0	102.0	2.0	51.0	5.0
B17697	B14311/B12724	30	37.2	22.8	47.0	99.0	1.5	49.0	4.0
B17892	B14302/B10244	66	37.2	21.8	48.0	102.0	1.0	50.5	4.5
B17898	B14302/B10244	57	37.0	23.0	47.0	102.0	2.0	48.5	4.0
B17699	B14311/B12724	25	36.3	23.0	48.0	101.0	1.0	50.5	5.0
B17959	B14302/B12724	77	35.8	24.0	48.0	98.0	2.5	48.0	3.5
B17671	B14311/B12724	29	35.8	23.2	47.0	100.0	1.0	49.0	4.0
B17739	B14311/B12724	34	35.4	23.2	47.0	100.0	1.0	49.0	4.0
B17730	B14311/B12724	28	35.4	23.0	47.0	100.0	1.5	51.5	5.0
B17866	B14302/B10244	65	35.4	23.7	48.0	100.0	1.0	50.0	5.0
B17841	B14302/B10244	54	34.8	23.8	47.0	101.0	1.5	51.5	4.5
B17003	B14303/B10244	73	34.7	22.2	48.0	99.0	1.0	48.5	4.0
B17920	B14302/B10244	48	33.6	22.6	47.0	99.0	2.5	50.5	4.0
I03390	ND9902621-2, ECLIPSE	80	31.7	21.2	47.0	98.0	1.5	47.5	4.0
MEAN(84)			40.1	23.3	47.7	101.3	1.5	50.1	4.7
LSD(.05)			3.4	1.1	0.6	1.9	0.4	2.1	0.7
CV%			6.3	3.4	0.8	1.2	16.8	2.5	9.5

EXPERIMENT 8104 PRELIMINARY BLACK YIELD TRIAL

PLANTED: 6/1/18

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING HEIGHT	DES.	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE
B18233	B15430/B13204	33	45.5	28.1	47.0	102.0	1.5	52.5	5.0
B18201	B10244/B13218	1	45.0	25.3	47.0	103.0	2.0	48.5	5.0
B18236	B14303/B12724	36	44.9	23.0	47.0	97.0	2.5	47.5	4.0
B18204	B10244/B15430	4	44.8	26.7	47.0	102.0	1.0	51.5	5.5
B18218	B14303/B13204	18	44.8	22.4	49.0	98.0	1.5	49.0	4.5
B18237	B14303/B12724	37	44.7	23.4	47.0	104.0	2.0	47.5	4.0
B18231	B15430/B10244	31	44.3	27.4	48.0	100.0	1.0	51.5	6.0
B18212	B13218/B14302	12	44.0	26.9	47.0	100.0	1.5	50.5	5.0
B18210	B13218/B14302	10	44.0	27.4	48.0	102.0	1.0	52.5	6.0
B18208	B13218/B14302	8	43.6	24.1	48.0	99.0	2.5	48.0	3.5
B18202	B10244/B13218	2	43.4	26.6	47.0	104.0	2.0	48.5	4.5
B10244	B04644/ZORRO, ZENITH	47	43.0	26.0	47.0	104.0	2.0	51.5	5.0
B18232	B15430/B10244	32	41.9	28.1	47.0	101.0	1.5	52.0	5.5
B18220	B14303/B13218	20	41.3	21.1	48.0	98.0	1.5	48.5	5.0
B18221	B14303/B13218	21	41.1	21.6	48.0	99.0	1.0	48.5	5.0
B18209	B13218/B14302	9	41.0	24.7	48.0	96.0	2.5	48.0	4.0
B18230	B15428/B15418	30	41.0	27.3	48.0	99.0	2.0	51.0	5.0
B18224	B15418/B10244	24	40.9	27.4	47.0	103.0	2.0	52.0	5.0
B04554	B00103*/X00822, ZORRO	46	40.7	23.7	48.0	104.0	2.0	48.5	5.0
B18213	B13220/B13204	13	40.3	26.3	46.0	97.0	2.0	48.0	4.0
B18223	B14303/B13218	23	40.2	20.8	49.0	99.0	1.0	49.5	5.0
I17501	BL12576, BLACK BEAR	48	40.2	22.0	46.0	101.0	2.0	49.5	4.5
B18238	B14303/B12724	38	40.1	21.8	47.0	97.0	1.5	49.5	4.5
B18229	B15418/B13204	29	40.0	26.8	47.0	100.0	1.5	50.5	4.5
B18228	B15418/B13204	28	39.9	28.7	47.0	100.0	2.0	51.5	4.5
B18219	B14303/B13204	19	39.7	25.0	48.0	100.0	1.0	50.5	5.0
B18234	B15430/B13204	34	39.5	27.2	47.0	105.0	2.5	49.0	4.0
B18241	B14303/B12724	41	39.2	20.9	47.0	98.0	1.5	47.5	4.0
B18215	B13220/B14302	15	38.9	25.5	47.0	96.0	1.5	47.0	4.0
B18226	B15418/B10244	26	38.9	27.7	47.0	98.0	2.0	48.5	4.5

EXPERIMENT 8104 PRELIMINARY BLACK YIELD TRIAL**PLANTED: 6/1/18**

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING HEIGHT	DES.	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE
B18225	B15418/B10244	25	38.7	26.5	47.0	100.0	2.0	49.0	4.0
B18216	B13220/B14302	16	38.5	23.0	47.0	97.0	1.5	48.5	4.5
B18211	B13218/B14302	11	38.5	25.5	47.0	99.0	1.5	49.0	4.5
B18245	B15418/B13220	45	38.4	26.8	46.0	98.0	2.5	48.5	4.0
B18205	B13218/B13220	5	38.3	25.1	47.0	98.0	2.0	48.0	4.0
B18214	B13220/B13204	14	38.3	26.3	46.0	99.0	2.0	50.5	5.0
B18240	B14303/B12724	40	38.3	21.0	48.0	97.0	1.0	47.5	4.0
B18227	B15418/B13204	27	38.1	25.8	47.0	101.0	1.5	53.0	5.0
B18217	B14303/B13204	17	38.1	23.4	48.0	100.0	1.0	50.5	5.0
B18207	B13218/B14302	7	38.0	23.4	47.0	98.0	1.5	48.5	4.5
B18206	B13218/B13220	6	37.8	25.1	47.0	98.0	1.5	49.0	4.0
B18235	B14303/B12724	35	37.5	21.6	47.0	95.0	3.0	47.0	3.0
B18222	B14303/B13218	22	37.3	21.0	48.0	98.0	1.5	47.5	4.5
B18242	B15418/B13220	42	37.0	27.6	46.0	97.0	2.5	48.0	3.5
B18239	B14303/B12724	39	36.4	21.9	49.0	98.0	2.0	50.0	4.0
B18244	B15418/B13220	44	35.0	23.9	46.0	95.0	3.0	46.0	3.0
B18203	B10244/B13220	3	34.0	23.6	47.0	96.0	2.0	49.0	3.5
B18243	B15418/B13220	43	33.6	24.1	47.0	97.0	2.5	51.0	4.0
MEAN(48)			40.2	24.8	47.0	99.0	1.8	49.4	4.5
LSD(.05)			3.5	1.0	0.7	0.6	0.6	1.5	0.6
CV%			6.3	3.0	0.8	0.3	18.6	1.9	7.5

EXPERIMENT 8105 STANDARD GREAT NORTHERN YIELD TRIAL

PLANTED: 6/4/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
G17410	G13467/G13479	1	36.4	39.2	44.0	103.0	1.5	51.0	5.0
G18503	G13444/G14506	26	36.1	32.5	45.0	99.0	2.0	50.0	5.0
G18505	G14506/G13444	28	36.1	34.0	45.0	99.0	2.5	48.5	4.5
G16351	Eldorado/G13467	2	35.8	37.4	45.0	101.0	1.5	52.0	6.0
G16345	G12508/G13455	6	35.4	32.6	44.0	97.0	1.5	49.0	4.5
G18502	G13444/G14506	25	35.3	34.2	45.0	101.0	2.5	49.0	4.5
G18512	G14525/P14815	35	33.8	37.1	45.0	100.0	1.5	48.5	4.5
G16305	Powderhorn/G12501	20	33.8	39.3	44.0	100.0	1.0	51.5	5.0
G18506	G14525/G13444	29	33.8	41.9	44.0	100.0	2.5	47.5	4.0
G16317	G11438/G11464	17	33.3	39.0	44.0	99.0	3.0	47.0	3.5
G14503	G11404/G11469	12	33.3	38.4	44.0	100.0	2.5	46.5	3.5
G18509	G14525/G13444	32	33.2	40.5	44.0	98.0	3.0	45.5	3.5
G16346	G13455/G13478	7	33.1	42.0	46.0	100.0	2.0	51.0	5.5
G16301	Powderhorn/GN9-4	11	32.9	43.5	44.0	100.0	2.5	48.5	4.0
G18510	G14525/G13444	33	32.9	42.9	44.0	100.0	2.5	46.5	3.5
G16338	G12508/G11429	19	32.8	33.9	48.0	102.0	2.5	48.0	4.0
G18517	P14815/G14525	40	32.8	35.6	45.0	98.0	3.0	46.5	3.0
G18504	G14506/G13444	27	32.5	30.6	44.0	99.0	2.0	49.0	4.5
G17418	G14530/G11431	13	32.4	34.3	49.0	100.0	2.0	53.0	6.0
I17509	TAURUS	23	31.7	41.8	45.0	102.0	2.5	49.5	4.0
G16314	G11429/G11438	8	31.5	34.6	45.0	98.0	2.5	49.5	5.5
G16347	G13467/G11429	4	31.5	34.4	45.0	98.0	2.5	47.5	4.0
G16328	G12508/G11464	9	31.2	37.4	45.0	99.0	2.0	48.0	4.5
G17417	G14530/G11431	18	31.1	36.7	46.0	102.0	2.0	51.0	5.0
G18513	G14525/P14815	36	30.6	41.1	44.0	100.0	2.0	47.5	4.5
G18507	G14525/G13444	30	30.5	38.6	44.0	100.0	2.5	47.0	4.0
G18514	G14525/P14815	37	30.2	39.0	45.0	98.0	1.5	49.5	5.0
I18601	ARIES	22	30.2	39.7	44.0	97.0	3.0	47.5	3.0
I17544	GN16-7	42	29.7	40.6	44.0	103.0	2.0	50.0	4.5
G16306	Powderhorn/G12501	15	29.7	37.7	44.0	100.0	1.5	51.5	6.0

EXPERIMENT 8105 STANDARD GREAT NORTHERN YIELD TRIAL

PLANTED: 6/4/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
G16318	G11438/G12502	10	29.6	47.6	44.0	100.0	2.0	47.5	4.0
G17419	G14505/P07863	16	29.2	34.3	46.0	100.0	2.0	48.0	4.0
G16319	G11464/G11404	5	29.2	41.2	44.0	96.0	2.0	45.5	3.0
G18508	G14525/G13444	31	29.2	43.1	44.0	100.0	2.0	48.0	4.5
G16339	G12508/G13478	3	28.5	29.1	46.0	99.0	2.5	47.5	3.5
G18511	G14525/G13444	34	27.9	43.6	44.0	98.0	2.0	47.0	4.0
G17408	G13444/G14508	14	27.8	32.5	45.0	98.0	3.0	46.5	3.5
G08254	G04514/Matterhorn, POWDERHORN	21	27.7	40.1	44.0	97.0	2.0	49.5	4.0
G18515	G14525/I13445	38	27.7	39.8	44.0	99.0	3.0	47.5	3.5
G18518	P14815/P14811	41	26.3	33.8	45.0	97.0	2.0	47.5	4.5
G18501	G13444/G14506	24	26.0	40.8	45.0	99.0	2.5	47.0	3.5
G18516	P14815/G14525	39	25.6	42.3	47.0	101.0	2.0	46.5	4.0
MEAN(42)			31.4	38.1	44.6	99.2	2.2	48.5	4.3
LSD(.05)			3.9	1.5	1.0	2.3	0.9	2.1	1.1
CV%			10.6	3.5	1.3	1.4	23.4	2.6	15.5

EXPERIMENT 8106 STANDARD TEBO YIELD TRIAL

PLANTED: 6/4/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
G18904	G12901/B14302	18	45.2	22.2	43.0	101.0	1.8	50.5	4.8
G17807	G12901/G13424	13	42.2	28.4	43.0	101.0	2.3	49.3	4.8
G18905	G12901/B14302	19	42.1	21.2	43.0	98.0	1.8	48.3	4.3
G18902	G12901/B14302	16	41.8	23.6	44.0	98.0	1.3	50.8	5.8
G17803	G12901/G11431	12	41.3	30.0	43.0	101.0	2.0	49.3	4.8
G17804	G12901/G11431	9	40.6	31.0	43.0	103.0	2.3	48.3	4.3
G18908	G12901/B14303	22	40.3	22.4	43.0	97.0	1.8	47.8	4.3
G18901	G12901/B14302	15	39.4	23.9	43.0	98.0	1.5	50.8	5.8
G17802	G12901/G11431	11	39.3	30.8	43.0	101.0	2.0	49.0	4.5
G18903	G12901/B14302	17	39.3	21.6	43.0	102.0	1.8	49.5	4.3
G12901	G07321/Fuji, SAMURAI	7	39.2	31.1	43.0	103.0	2.0	48.5	4.3
G18910	G12901/B14303	24	39.2	24.9	43.0	99.0	1.8	48.5	4.5
G17806	G12901/G13424	4	38.5	29.8	44.0	102.0	2.0	48.8	4.8
G17925	G14505/G12901	2	38.4	33.4	45.0	97.0	2.3	48.0	3.8
G18906	G12901/B14303	20	37.7	24.4	44.0	100.0	1.5	49.8	5.3
G18909	G12901/B14303	23	37.3	22.0	43.0	100.0	2.3	48.0	4.3
G17805	G12901/G13424	6	37.0	29.7	43.0	102.0	2.0	48.3	4.8
G17932	G12901/G15479	10	36.1	30.7	43.0	77.0	2.3	48.3	4.0
G17901	G14505/G12901	14	35.6	32.5	44.0	101.0	2.0	47.8	4.0
G18907	G12901/B14303	21	34.6	22.6	43.0	99.0	1.3	50.5	5.5
G17913	G14505/G12901	1	33.6	29.2	43.0	97.0	2.5	45.5	3.3
G17926	G14505/G12901	8	33.4	29.0	43.0	100.0	2.3	47.5	4.0
G17923	G14505/G12901	3	32.9	27.2	44.0	101.0	2.3	49.8	4.8
G17916	G14505/G12901	5	32.7	27.6	44.0	96.0	2.3	47.8	3.3
MEAN(24)			38.2	27.0	43.2	98.8	1.9	48.8	4.5
LSD(.05)			4.4	1.1	0.8	10.8	0.5	1.2	0.7
CV%			9.8	3.4	1.0	9.3	23.8	2.1	13.7

EXPERIMENT 8107 STANDARD PINTO YIELD TRIAL

PLANTED: 6/4/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
P16901	Eldorado/P11519	1	39.7	43.5	46.0	100.0	2.0	50.5	4.5
P17509	SDP H/H BULK	6	38.3	44.9	46.0	102.0	2.5	49.5	4.0
P17510	SDP H/H BULK	3	37.8	44.5	45.0	101.0	2.0	52.5	5.0
P17507	SDP H/H BULK	11	37.8	46.9	44.0	102.0	2.0	51.5	4.5
P18608	P11522/LONG'S PEAK	35	37.7	37.6	47.0	98.0	2.0	50.5	4.5
P18602	P14815/G14525	29	37.2	47.6	44.0	98.0	2.0	49.0	4.5
P18601	P14815/G14525	28	37.1	46.7	45.0	101.0	2.0	48.5	4.5
P17508	SDP H/H BULK	13	36.3	44.2	45.0	102.0	2.0	52.0	4.5
P18607	SDP H/H BULK	34	35.8	44.5	45.0	102.0	2.5	50.5	4.5
P14814	P11522/LONG'S PEAK	18	35.6	40.8	45.0	100.0	2.0	51.5	5.0
I17541	PT16-15	36	35.0	35.6	44.0	103.0	2.5	50.0	4.0
P07863	AN-37/P02630, ELDORADO	5	34.8	44.8	44.0	103.0	2.0	50.0	4.5
P16904	P11519/P12610	12	34.5	37.3	44.0	97.0	1.0	50.5	4.5
I17521	CO 43732-15	22	34.3	46.8	44.0	96.0	2.0	48.5	4.0
P16905	P11519/P12610	4	33.9	36.7	45.0	97.0	1.5	50.5	5.0
I14520	Santa Fe/PS08-108, SF103-8, PALOMINO	20	33.6	41.7	43.0	100.0	2.0	46.5	3.5
P18603	P14815/G14525	30	33.2	45.5	49.0	101.0	2.0	49.0	5.0
P16902	P11519/P12610	7	33.2	38.7	44.0	97.0	1.5	51.5	5.0
P17502	P07863/X14110	17	31.8	40.3	43.0	96.0	1.0	51.0	5.0
P16906	P11519/P12610	16	31.8	34.1	43.0	96.0	1.0	49.5	4.5
I14531	CO 14790-3, DR WOOD	26	30.8	41.3	45.0	102.0	2.0	48.0	4.0
P18606	G14525/P14815	33	30.6	41.5	44.0	98.0	1.0	51.5	5.0
I07113	PNE-6-94-75/Kodiak, LAPAZ	2	30.4	39.6	44.0	96.0	2.0	49.0	3.0
P18604	P14815/G14525	31	30.3	46.1	46.0	98.0	2.0	50.0	5.0
P16914	P11519/G13467	10	30.2	39.5	43.0	99.0	2.0	50.0	4.5
I17525	CO 33503-5	24	30.1	44.1	44.0	96.0	2.0	47.5	3.5
P16909	P12604/P12610	8	30.0	38.2	44.0	98.0	1.5	51.5	5.0
P18605	P14815/P14811	32	29.8	39.8	44.0	96.0	2.0	50.0	4.0
I15644	COSD-35, STAYBRIGHT	25	29.7	38.0	46.0	98.0	3.0	49.0	4.0
P17401	P14801/I14531	19	29.6	33.8	44.0	97.0	1.0	50.5	5.0
I17516	TWIN FALLS	27	28.4	36.7	46.0	98.0	1.0	52.0	5.0
P14812	P09425/P08161	9	26.3	45.0	43.0	95.0	2.0	48.0	3.0
P16911	P12610/P11519	21	25.9	38.1	43.0	99.0	1.5	52.0	5.0
P16907	P12604/P12610	14	25.8	37.6	43.0	97.0	1.0	51.5	5.0
I17524	CO 34435-15	23	25.8	39.6	48.0	95.0	2.5	46.5	3.0
P16918	CO 91212-3/P12613	15	25.0	39.5	43.0	95.0	2.0	47.0	3.0
MEAN(36)			32.4	41.1	44.4	98.5	1.8	49.9	4.4
LSD(.05)			4.5	1.6	1.6	1.6	0.3	1.5	0.8
CV%			11.9	3.4	2.1	0.9	9.7	1.8	10.5

EXPERIMENT 8108 STANDARD RED AND PINK YIELD TRIAL							PLANTED: 6/4/18		
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING HEIGHT	DES.	
		/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
S18903	S14706/R13752	27	48.8	44.9	44.0	102.0	3.0	47.5	3.0
R18409	R12859/R13506	24	47.4	45.2	44.0	104.0	2.5	51.0	4.5
S18901	S14706/S08418	25	45.4	45.9	44.0	102.0	3.0	45.5	3.0
R18407	R12859/R13506	22	45.4	44.3	43.0	105.0	2.5	50.0	4.0
S18906	S14706/R13752	30	44.5	43.6	45.0	100.0	3.0	46.0	3.5
S18908	S14706/R13752	32	44.3	42.1	45.0	99.0	3.0	45.5	3.0
R18406	R12859/R13506	21	44.2	45.5	43.0	105.0	2.5	50.0	4.0
S18905	S14706/R13752	29	43.8	45.3	45.0	100.0	2.5	48.0	4.5
R18408	R12859/R13506	23	43.5	45.3	43.0	105.0	2.0	51.0	4.5
S08418	S02754/S04503, ROSETTA	10	43.4	41.7	43.0	99.0	2.0	49.5	4.0
R18405	R12859/R13506	20	43.3	45.1	43.0	104.0	2.0	51.0	4.5
S18904	S14706/R13752	28	43.0	46.3	43.0	100.0	2.0	51.5	5.5
S18907	S14706/R13752	31	42.9	43.6	44.0	100.0	2.0	50.5	5.0
S16804	S08418/S12904	7	42.0	43.2	44.0	98.0	2.0	50.0	4.0
S16809	S12906/R11614	13	41.6	41.0	43.0	101.0	2.0	49.0	4.0
S18909	S14706/R13752	33	41.3	43.2	44.0	102.0	2.0	53.0	6.0
S18902	S14706/S08418	26	41.2	45.0	43.0	99.0	2.5	46.0	3.5
I13401	SR 09303, VIPER	2	41.2	34.3	43.0	101.0	1.0	51.0	4.5
R17605	R12859/R12844	6	40.3	42.6	43.0	102.0	2.0	52.5	5.5
S17705	S14708/X14117	11	40.0	43.4	46.0	102.0	2.0	53.0	6.0
R18401	R12859/R12844	16	40.0	41.0	44.0	103.0	3.0	49.0	4.0
S17706	S14708/X14117	5	39.3	39.1	46.0	100.0	1.5	52.5	5.0
R12844	SR9-5/R09508, CAYENNE	3	38.8	39.2	43.0	99.0	2.5	48.5	4.5
R18402	R12859/R12844	17	38.8	41.2	44.0	103.0	2.0	51.5	4.5
S17702	R12843/S14705	15	38.7	39.0	44.0	99.0	3.0	44.5	3.0
R18403	R12859/R12844	18	38.6	40.9	44.0	101.0	2.0	50.5	5.0
R17602	R12845/R12859	9	38.4	42.5	44.0	101.0	2.0	52.0	6.0
R17604	R12859/R12844	4	38.3	38.9	43.0	101.0	2.0	52.0	5.0
R17603	R12859/R12844	1	37.8	38.9	44.0	100.0	2.0	50.0	5.0
R18404	R12859/R12844	19	37.4	40.5	43.0	101.0	2.0	50.5	5.0
S18910	Rosetta/I14519	34	37.2	43.0	44.0	99.0	2.0	50.5	5.0
R17601	R12844/S14707	12	37.1	41.5	43.0	100.0	2.5	50.5	4.5
S18912	Rosetta/I14519	36	37.0	42.7	44.0	99.0	2.0	50.0	4.5
S18911	Rosetta/I14519	35	36.6	45.0	44.0	99.0	2.0	48.5	4.5
R16522	R98026/I11207	8	36.4	43.0	43.0	101.0	3.0	47.5	3.5
R98026	R94037/R94161, MERLOT	14	34.1	42.6	43.0	101.0	3.0	46.5	4.0
MEAN(36)			40.9	42.5	43.5	100.7	2.3	49.6	4.4
LSD(.05)			3.3	1.8	0.5	1.8	0.6	2.1	0.8
CV%			6.9	3.6	0.7	1.0	14.6	2.5	11.2

EXPERIMENT 8109 MRPN/CDBN YIELD TRIAL

PLANTED: 6/4/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING HEIGHT (1-5)	HEIGHT (cm)	DES. SCORE
I18609	PK 16-7	9	42.9	41.2	43.0	100.0	2.0	50.5	4.5
I18611	PT 16-17	11	40.9	37.7	50.0	110.0	3.5	45.5	3.0
R17604	R12859/R12844	19	40.4	36.4	43.0	101.0	2.0	49.5	5.0
R12844	SR9-5/R09508, CAYENNE	36	39.6	38.1	43.0	99.0	2.0	50.5	5.0
I16707	ND121315	2	39.4	43.4	43.0	97.0	3.0	46.0	4.0
G17410	G13467/G13479	16	39.1	38.9	43.0	102.0	1.0	52.5	5.5
I07113	PNE-6-94-75/Kodiak, LAPAZ	20	38.8	38.0	43.0	95.0	3.0	49.5	4.0
I18619	NE2-17-18	27	38.7	48.7	43.0	96.0	4.0	45.0	3.0
R98026	R94037/R94161, MERLOT	21	38.5	42.6	43.0	98.0	2.5	48.5	4.0
P16905	P11519/P12610	17	38.2	37.5	47.0	100.0	2.0	49.5	5.0
I11223	PK7-4	33	38.1	40.7	43.0	100.0	3.0	47.0	4.0
I18622	AAC ARGOSY	35	36.8	25.4	42.0	104.0	2.0	50.0	4.0
R17603	R12859/R12844	18	36.3	36.9	43.0	99.0	2.0	51.0	5.0
I18608	NE2-17-37	8	35.8	40.9	43.0	104.0	3.0	46.5	4.0
I18601	ARIES	22	34.5	39.2	42.0	99.0	3.0	46.5	4.0
I18618	PT11-13B	26	34.1	41.2	43.0	96.0	2.5	47.5	4.0
I17519	ND131413	1	33.3	40.6	42.0	100.0	3.0	53.5	4.0
I18613	CO 34399-14	13	32.8	40.8	45.0	96.0	3.5	47.0	3.5
I18606	NE1-17-36	6	32.7	42.5	42.0	96.0	3.0	46.5	4.0
I18607	NE2-17-20	7	32.7	42.9	43.0	97.0	3.5	45.0	3.0
I18612	CO 32330-14	12	32.6	41.3	46.0	97.0	2.5	48.0	3.5
I18603	NDF140722	3	31.7	39.1	42.0	97.0	3.0	47.0	4.0
I17518	ACUG 14-1, AAC SHOCK	34	31.5	26.3	43.0	103.0	2.0	49.0	4.0
I18614	CO 52646-14	14	31.4	44.2	43.0	95.0	3.0	46.5	3.5
I18605	NE1-17-19	5	31.4	42.5	42.0	94.0	3.5	45.5	3.0
I14520	Santa Fe/PS08-108, SF103-8, PALOMINO	29	31.1	38.3	43.0	100.0	3.0	46.0	4.0
I16711	ACUG 13-SR1, OAC ROSITO	31	30.8	25.8	44.0	96.0	1.5	49.5	5.0
I18620	NE2-17-39	28	29.4	42.2	43.0	99.0	4.5	43.5	3.0
I18610	GN 16-16	10	29.4	40.5	43.0	99.0	2.5	46.5	4.0
I18615	CO 15015	15	29.1	49.2	43.0	95.0	3.0	47.0	3.0
I15605	SR10-2-1	32	28.7	44.9	42.0	96.0	2.5	46.5	4.0
I18604	ND121885	4	28.4	45.9	43.0	95.0	3.0	47.5	4.0
I18617	PT16-18	25	28.3	35.8	45.0	110.0	3.5	45.0	3.0
I84002	NW410//VICTOR/AURORA, OTHELLO	24	28.0	40.2	38.0	93.0	3.5	43.5	3.0
I18621	NE1-17-10	30	26.5	37.8	43.0	97.0	3.0	47.5	4.0
I18616	ACUG 16-NDP1	23	25.7	36.7	44.0	102.0	2.5	48.5	5.0
MEAN(36)			33.8	39.6	43.0	98.6	2.8	47.6	4.0
LSD(.05)			4.1	2.1	1.7	3.2	0.7	2.2	0.4
CV%			8.9	3.9	2.3	1.9	15.8	2.7	6.6

EXPERIMENT 8110 ALICE MACQUEEN-CDBN CLASSICS YIELD TRIAL							PLANTED: 6/4/18			
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
I91205	55012	1	19.8	43.3	38.0	90.0	3.5	45.0	3.0	
I01768	93_207G	2	30.2	39.7	46.0	101.0	3.0	45.5	3.5	
I00615	97_409P	3	27.1	46.2	42.0	95.0	3.0	44.0	3.0	
I09101	CBB/Matterhorn//Maverick, ND-307	4	28.4	45.6	43.0	101.0	2.0	49.5	4.0	
P89430	81-12034/P86297, AZTEC	5	19.8	42.0	43.0	92.0	3.0	45.5	3.0	
I09106	MAX	6	16.3	46.0	37.0	90.0	4.0	44.0	3.0	
I99117	BUSTER	7	28.3	40.9	43.0	97.0	3.0	46.0	4.0	
I89003	UI537	8	25.3	44.1	36.0	92.0	4.0	43.0	3.0	
I86081	WM1-85-43 UN GN, STARLIGHT	9	22.6	45.5	42.0	100.0	3.0	44.0	3.5	
I02001	YOLANO	10	22.7	33.5	39.0	93.0	3.5	44.5	3.0	
MEAN(10)			24.0	42.7	40.7	94.9	3.2	45.1	3.3	
LSD(.05)			2.0	1.8	1.2	3.2	0.6	1.9	0.5	
CV%			6.0	3.0	1.6	1.9	10.4	2.2	9.0	

EXPERIMENT 8113 DRY BEAN DROUGHT NURSERY YIELD TRIAL

PLANTED: 6/4/18

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING	HEIGHT	DES.
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE
B16504	Zenith//Alpena*/B09197	2	44.2	23.6	44.0	100.0	1.0	52.0	6.5
B10244	B04644/ZORRO, ZENITH	3	42.2	24.3	44.0	100.0	1.0	52.0	6.0
R12844	SR9-5/R09508, CAYENNE	4	38.0	39.0	43.0	97.0	2.0	53.0	5.0
I18623	PT16-9	7	37.9	43.1	44.0	100.0	2.0	53.0	5.0
I18627	NE13-17-11	25	37.6	31.7	43.0	109.0	3.0	48.5	3.0
I15633	PT 9-5-6	9	35.8	40.6	43.0	98.0	1.0	50.0	5.0
I15647	CO 14790-3, DR WOOD	12	35.6	40.8	48.0	104.0	3.0	49.0	3.5
I17544	GN16-7	8	35.1	40.2	44.0	101.0	2.0	52.5	4.5
I18611	PT 16-17	5	34.3	34.5	50.0	110.0	3.5	46.0	3.0
I18624	NE2-17-6	23	33.5	44.0	45.0	97.0	3.0	48.0	4.0
I10134	TARS-MST1	20	33.3	25.6	44.0	97.0	1.0	48.5	4.5
I11223	PK7-4	6	33.1	39.9	43.0	97.0	3.0	47.5	3.0
R98026	R94037/R94161, MERLOT	31	32.2	42.1	44.0	100.0	2.5	49.5	4.0
I14553	Merlotx(05F-5055-1x98020-3-1-6-2)	21	31.9	34.4	43.0	96.0	1.0	51.5	4.5
I16708	XRAV-40-4	28	31.9	25.8	43.0	93.0	2.0	47.0	3.5
N14229	N11275/N11256	1	31.1	19.8	47.0	99.0	1.5	52.5	6.0
I17537	SB2_89_9, 15F-13029	19	30.8	33.3	43.0	94.0	2.0	49.0	3.5
I05834	ND020351, STAMPEDE	32	30.7	37.9	43.0	97.0	2.5	49.0	4.5
I13450	CO 91212-4, CENTENNIAL	11	30.0	39.7	43.0	103.0	2.5	49.5	3.5
I16716	SB2_171, MATT/G21212///MATT/DOR364//USPT-ANT1/H405-8-1-1	18	29.6	28.5	43.0	94.0	3.0	47.0	3.0
I06251	CO23704, CROISSANT	10	29.4	42.1	43.0	96.0	3.0	48.0	4.0
I16714	SB2_143, ABC USPT-CBB-5/Stampede	16	29.2	37.1	43.0	91.0	3.0	46.5	3.0
I18626	NE14-17-2	24	28.3	26.3	44.0	102.0	2.0	48.0	4.0
I14546	(USPT-ANT)x('Matterhornx98078-5-1-5-1)	14	27.7	41.6	42.0	96.0	2.0	48.0	4.0
I17540	1765 (689-736)	27	27.2	24.3	44.0	97.0	1.0	51.0	5.0
I09109	CO55646, LONG'S PEAK	13	27.1	40.9	45.0	96.0	3.0	47.0	4.0
I17534	SB2_1_0, Matterhon/EMP509	15	26.6	33.5	44.0	96.0	2.5	50.5	3.5
BC200	NE1-09-19	22	25.2	38.5	43.0	98.0	3.0	47.0	3.0
I17535	SB2_4, Matterhon/EMP509	17	23.8	33.0	46.0	99.0	2.5	49.5	4.0
G93414	MATTERHORN	29	22.8	35.5	43.0	95.0	2.0	47.5	3.5
I17514	BLACKFOOT	26	16.8	39.7	42.0	90.0	2.0	47.5	3.0
BC138	MARQUIS	30	14.9	35.4	42.0	90.0	3.0	45.5	2.5
MEAN(32)			30.9	34.9	43.7	97.7	2.2	49.1	4.0
LSD(.05)			4.4	2.0	1.0	3.4	0.6	2.0	0.7
CV%			10.5	4.2	1.4	2.1	15.0	2.4	10.7

EXPERIMENT 8214 STANDARD KIDNEY YIELD TRIAL

PLANTED: 6/12/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
K17209	K11306/K08961	40	33.1	60.0	35.0	96.0	2.0	50.5	3.5
K15601	K11306/K11916	7	31.4	48.6	40.0	97.0	1.5	51.5	5.5
I15622	DYNASTY	14	30.5	67.3	39.0	100.0	2.0	52.0	3.5
I18602	LRK 6	26	30.2	51.8	39.0	95.0	1.5	48.5	4.5
K17703	K11714/X14209	42	30.0	58.1	38.0	97.0	1.5	51.5	5.5
K17701	K11714/X14208	56	29.9	59.6	34.0	96.0	1.5	53.0	5.0
K17815	K11306/K08961	38	29.3	55.6	40.0	97.0	1.5	51.5	4.5
K16950	K12219/K08961	28	29.1	57.5	43.0	100.0	2.0	52.0	4.0
K16131	K11914/K12209	1	29.0	63.5	39.0	98.0	1.0	50.0	4.5
K16657	K13603/H9659-21-1	12	28.9	56.8	35.0	97.0	1.0	49.0	3.5
K16924	K11917/K08961	6	28.6	59.8	35.0	93.0	1.0	49.5	5.0
K17704	K11714/X14209	48	28.1	57.8	33.0	96.0	2.0	52.0	5.0
K15304	K11306/K11916	20	28.1	49.0	41.0	97.0	1.0	49.0	5.5
I15620	DRK 07323, CHAPARRAL	4	27.7	51.1	39.0	97.0	2.5	49.0	3.5
K16943	K12209/K13907	16	27.7	48.9	40.0	97.0	2.0	51.0	4.0
K17702	K11714/X14208	50	27.5	58.9	34.0	96.0	1.5	50.0	5.0
K08961	K04604/USDK-CBB-15, SNOWDON	32	27.5	68.0	33.0	90.0	1.0	49.5	5.5
K16640	K11914/K12209	9	27.3	61.1	39.0	98.0	1.0	52.5	5.0
K17804	K11714/X14211	35	27.3	55.7	36.0	99.0	2.0	53.0	4.0
I11233	OAC 07-L1, OAC INFERNO	23	27.2	61.3	40.0	101.0	3.0	53.5	3.5
K16934	I05101/K08961	5	27.2	57.8	37.0	96.0	2.5	52.0	4.0
K16981	K13902/I93127	15	26.9	52.7	40.0	99.0	2.0	54.0	5.0
K17201	K11306/X14202	54	26.9	57.2	38.0	95.0	1.0	50.0	5.0
I11201	Pink Panther//ZAA/Montcalm, CLOUSEAU	10	26.8	71.5	33.0	92.0	1.0	48.5	4.0
K15901	K11714/K11914	3	26.8	59.3	34.0	90.0	1.0	48.0	4.5
K17819	K14101/K14804	45	26.5	61.9	37.0	96.0	1.5	54.0	4.5
K17207	K11306/X14202	44	26.4	46.5	39.0	91.0	2.0	49.5	4.0
K90902	BEA/50B1807//LASSEN, BELUGA	8	26.2	57.9	39.0	99.0	2.0	53.0	4.5
K11306	K06621/USDK-CBB-15, RED CEDAR	31	26.2	50.7	39.0	95.0	2.0	51.0	4.5
I13422	ACUG 10-W1, YETI	22	26.0	60.8	40.0	99.0	2.0	52.0	4.0
K16136	K12206/I07151	17	25.8	54.1	38.0	97.0	1.0	50.5	5.0
I13421	ND061106, ROSIE	24	25.7	52.6	38.0	99.0	2.0	54.5	4.5
I15619	LRK 09351, BIG RED	18	25.5	64.5	34.0	91.0	1.0	48.5	4.0
K17206	K11306/X14202	37	25.4	47.8	39.0	90.0	1.0	48.5	4.0
K16911	K08961/K12214	11	25.4	65.1	35.0	96.0	1.0	49.5	4.5

EXPERIMENT 8214 STANDARD KIDNEY YIELD TRIAL

PLANTED: 6/12/18

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
K74002	MDRK/CN(3)-HBR(NEB#1), MONTCALM	30	25.3	59.9	37.0	99.0	2.0	49.5	4.0
K16962	K12206/K08961	13	25.1	52.1	42.0	97.0	2.0	52.5	4.5
I90013	CELRK	33	25.1	65.0	34.0	89.0	1.0	45.0	4.0
K17203	K11306/X14202	52	25.1	56.7	37.0	94.0	1.5	49.0	4.5
K16957	K12206/K08961	2	25.0	58.7	37.0	97.0	2.0	52.5	4.5
K16624	CBB-15/Snowdon	27	25.0	59.3	42.0	97.0	2.0	50.5	4.0
K17825	K13902/K14804	43	24.9	63.8	35.0	93.0	1.0	49.0	5.0
K17827	K13902/K14804	39	24.8	65.0	35.0	91.0	1.5	48.5	5.0
K17824	K13902/K14804	46	24.7	54.1	34.0	89.0	1.0	48.5	5.0
K16967	K08961/I13465	25	24.5	64.4	38.0	100.0	2.0	53.0	4.0
K16130	K11320/I07151	21	24.1	48.8	40.0	98.0	2.0	52.5	4.5
K17805	K11714/X14211	34	24.1	61.1	36.0	98.0	2.5	52.0	4.0
K17202	K11306/X14202	53	24.0	56.8	38.0	96.0	1.5	50.5	5.0
K90101	CHAR/2*MONT, RED HAWK	29	23.9	58.7	36.0	96.0	1.0	49.0	4.0
K17204	K11306/X14202	55	23.2	54.9	38.0	98.0	1.0	52.0	4.5
K17806	K08961/K14810	49	22.3	64.4	38.0	93.0	1.0	49.0	4.0
K17208	K11306/X14202	47	21.9	49.7	38.0	93.0	1.5	49.0	4.0
I13420	ND061210, TALON	19	21.7	55.4	40.0	97.0	1.5	51.5	4.5
K17706	K11306/K14806	51	21.0	61.4	41.0	92.0	1.0	49.5	4.0
K17818	K14101/K14804	41	20.0	49.4	37.0	93.0	1.5	50.5	4.5
K17816	K11306/K14806	36	19.1	44.2	40.0	94.0	1.0	50.5	5.5
MEAN(56)			26.2	57.4	37.4	95.4	1.6	50.6	4.4
LSD(.05)			4.5	2.8	1.9	2.6	0.6	2.2	0.9
CV%			12.7	3.6	3.0	1.7	23.1	2.6	11.6

EXPERIMENT 8215 STANDARD YELLOW BEAN YIELD TRIAL							PLANTED: 6/12/18			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING HEIGHT (1-5)	HEIGHT (cm)	DES. SCORE	
Y16507	PR1146-123/Y11405	14	29.5	44.5	39.0	89.0	1.0	47.0	4.5	
Y18701	K08961/UYOLE 98	22	28.5	60.6	38.0	94.0	2.0	50.5	5.0	
Y18703	X15305/X15302	24	25.9	41.8	38.0	94.0	1.0	48.0	5.5	
I17506	SVS-0863	3	25.8	42.9	40.0	92.0	3.0	47.5	3.0	
Y18702	K08961/UYOLE 98	23	24.9	65.0	39.0	94.0	2.0	49.5	5.0	
Y17605	Y11405*/UC Canario707	17	24.3	47.0	39.0	96.0	1.5	51.0	4.0	
I17504	AAC Y012	7	24.2	47.5	34.0	89.0	1.0	48.0	4.0	
Y17604	Y11405*/UC Canario707	11	24.1	43.8	38.0	95.0	1.0	50.0	5.5	
Y17501	Y11405/PR1146-123 (oblong)	5	23.7	44.7	36.0	92.0	1.0	49.0	5.0	
I14513	DBY-28-1	2	23.4	45.6	43.0	93.0	3.0	48.5	3.0	
Y17606	Y11405*/UC Canario707	10	23.2	46.0	39.0	96.0	1.0	51.5	4.5	
I14515	DBY-60-1, PATRON	1	22.8	45.2	42.0	93.0	3.0	47.0	3.0	
Y11405	FR-07-AZP-14-06	13	22.0	49.3	38.0	92.0	1.0	49.0	4.5	
Y17502	Y11405/PR1146-123 (round)	6	22.0	43.0	38.0	95.0	1.0	49.0	5.5	
Y16503	Y11405/UC Canario 707	4	21.9	41.7	40.0	99.0	1.5	53.0	4.5	
Y17603	Y11405*/UC Canario707	9	21.3	48.2	39.0	96.0	1.5	51.0	4.5	
Y17614	UC Canario707/Y11405//PR1146-123/Y11405	20	20.6	45.8	39.0	95.0	1.0	50.0	5.5	
I17505	AAC Y015	8	20.5	48.6	34.0	90.0	1.0	49.0	4.5	
Y17617	Y11405/UC Canario707//Y11405	19	20.5	46.1	38.0	93.0	1.0	49.5	5.0	
Y17601	Y11405*/UC Canario707	12	20.5	49.0	41.0	97.0	1.5	52.5	5.0	
Y17610	Y11405*/UC Canario707	16	19.9	55.5	39.0	99.0	1.5	52.0	4.0	
Y17618	Y11405*/UC Canario707	18	18.2	54.2	39.0	95.0	2.0	51.5	4.5	
I17508	MY 06326	21	18.0	41.7	40.0	93.0	3.0	44.0	3.0	
Y17612	Y11405*/UC Canario707	15	17.4	44.6	40.0	94.0	1.0	50.0	4.0	
MEAN(24)			22.6	47.6	38.5	93.8	1.6	49.5	4.4	
LSD(.05)			3.1	1.9	1.3	4.1	0.6	2.3	0.8	
CV%			11.6	3.4	2.0	2.5	21.0	2.7	10.5	

EXPERIMENT 8216 PRELIMINARY KIDNEY BEAN YIELD TRIAL

PLANTED: 6/12/18

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING HEIGHT	DES.	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE
K08961	K04604/USDK-CBB-15, SNOWDON	44	31.2	68.3	33.0	90.0	1.0	49.5	5.0
K18301	K11306/K15303	1	30.7	45.9	42.0	94.0	2.5	51.0	4.5
K18907	K08961/I15701	29	30.6	55.6	39.0	92.0	1.5	48.5	4.5
K18910	K08961/I15701	32	30.4	50.2	35.0	90.0	1.0	49.0	4.5
K18915	K08961/K15302	37	30.4	54.3	40.0	97.0	2.0	52.0	5.0
K18504	K15304/I15619	21	29.9	54.4	48.0	100.0	2.5	53.0	3.5
K18501	K11306/I13421	18	29.3	52.6	41.0	94.0	2.0	52.0	4.5
K01234	Mutant of Red Hawk, REDCOAT	48	29.0	60.6	36.0	97.0	1.5	50.5	5.0
K18914	K08961/K15302	36	29.0	54.7	39.0	94.0	2.0	51.5	5.5
K18905	K08961/I15701	27	28.5	54.1	36.0	90.0	2.5	49.0	4.5
K18902	K08961/I15701	24	27.9	49.9	40.0	96.0	2.0	49.0	5.0
K18904	K08961/I15701	26	27.7	59.4	34.0	92.0	2.0	48.5	5.0
K18912	K08961/I15701	34	27.6	60.3	35.0	91.0	1.0	48.5	4.5
K18313	I13420/K11306	13	27.5	49.3	41.0	97.0	2.0	51.5	4.5
K18903	K08961/I15701	25	27.3	49.6	39.0	96.0	2.0	48.5	5.0
K18908	K08961/I15701	30	27.2	54.4	36.0	88.0	1.5	48.0	4.5
I13421	ND061106, ROSIE	46	27.2	52.2	42.0	99.0	2.0	52.0	4.0
K18314	I13420/K11306	14	27.0	51.2	41.0	96.0	1.0	53.0	4.5
I11201	Pink Panther//ZAA/Montcalm, CLOUSEAU	45	27.0	73.1	34.0	90.0	1.0	48.5	3.5
K18503	K11306/I13421	20	26.9	49.4	41.0	94.0	1.5	52.0	4.5
K18906	K08961/I15701	28	26.8	53.6	36.0	91.0	2.0	49.0	4.5
K90101	CHAR/2*MONT, RED HAWK	41	26.6	59.2	37.0	94.0	1.0	50.5	4.5
K18303	K11306/I15622	3	25.8	51.8	41.0	92.0	2.5	49.0	4.0
K18911	K08961/I15701	33	25.3	48.1	34.0	89.0	1.0	47.5	4.5
K11306	K06621/USDK-CBB-15, RED CEDAR	42	25.1	49.8	38.0	92.0	1.0	50.5	5.0
K18312	K11306/K14104	12	25.0	54.3	40.0	93.0	1.5	50.5	4.0
K18302	K11306/I15622	2	24.6	59.6	39.0	94.0	1.5	50.0	5.0
K18311	K11306/K14104	11	24.4	49.5	40.0	95.0	2.0	50.0	4.0
K18309	K11306/I13420	9	24.3	50.8	42.0	93.0	2.0	50.5	4.5
K18909	K08961/I15701	31	24.2	49.8	35.0	89.0	1.5	48.5	4.5

EXPERIMENT 8216 PRELIMINARY KIDNEY BEAN YIELD TRIAL							PLANTED: 6/12/18			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	
K18901	K08961/I15701	23	23.8	62.8	38.0	98.0	2.0	50.0	4.5	
K18916	K15901/K15302	38	23.6	53.9	43.0	95.0	2.0	53.5	5.0	
K18917	I13420/K12803	39	23.6	51.6	35.0	94.0	2.0	49.0	4.0	
K18307	K11306/K15304	7	23.4	51.2	39.0	91.0	1.0	50.0	4.5	
K90902	BEA/50B1807//LASSEN, BELUGA	43	23.3	57.6	41.0	98.0	2.0	52.0	4.0	
K18317	I13420/K11306	17	22.8	49.9	38.0	95.0	1.5	51.5	4.5	
K18919	I13420/K12803	40	22.7	53.9	40.0	95.0	1.0	52.0	5.0	
K18502	K11306/I13421	19	22.4	50.6	41.0	91.0	1.5	50.0	4.0	
K18316	I13420/K11306	16	22.3	45.1	39.0	96.0	1.5	51.5	4.5	
I11234	Drake//ZAA/Montcalm, RED ROVER	47	22.0	57.0	38.0	93.0	2.0	50.5	4.0	
K18304	K11306/I15622	4	21.8	53.2	39.0	93.0	1.0	50.5	4.5	
K18913	K08961/I15701	35	21.8	52.2	34.0	89.0	1.0	49.0	5.0	
K18505	K15304/I15619	22	21.3	60.1	36.0	96.0	2.0	51.5	4.0	
K18306	K11306/I15622	6	21.0	51.6	39.0	90.0	1.0	49.5	4.5	
K18315	I13420/K11306	15	20.3	49.7	42.0	96.0	1.5	52.5	4.0	
K18310	K11306/I13420	10	20.3	48.2	41.0	91.0	1.5	50.0	4.0	
K18305	K11306/I15622	5	19.7	50.2	39.0	91.0	1.0	49.0	4.0	
K18308	K11306/I13420	8	19.6	49.1	40.0	91.0	1.0	50.5	4.5	
MEAN(48)			25.4	53.6	38.4	93.1	1.6	50.3	4.5	
LSD(.05)			3.9	1.4	2.0	2.3	0.7	1.6	0.9	
CV%			11.3	1.9	3.1	1.5	25.7	1.9	11.5	

EXPERIMENT 8217 IOWA STATE SEED NUTRIENT YIELD TRIAL**PLANTED: 6/12/18**

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	Stand
			/ACRE	WT. (g)	FLOWER	(Plants)
I03390	ND9902621-2, ECLIPSE	3	42.4	23.6	39.0	96.0
I17509	TAURUS	2	31.0	40.9	42.0	108.0
I17508	MY 06326	4	26.4	47.6	40.0	96.0
K74002	MDRK/CN(3)-HBR(NEB#1), MONTCALM	1	23.0	59.2	39.0	67.3
MEAN(4)			30.7	42.8	39.8	91.8
LSD(.05)			2.6	0.6	0.5	19.3
CV%			5.3	0.9	0.8	13.2

EXPERIMENT 8218 NATIONAL WHITE MOLD YIELD TRIAL								PLANTED: 6/26/18			
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING HEIGHT	DES.	SEED		
									/ACRE	WT. (g)	FLOWER
R17604	R12859/R12844	32	36.1	34.7	45.0	94.0	1.5	54.0	6.0	2.7	29.6
P16901	Eldorado/P11519	27	35.8	40.2	47.0	96.0	2.5	52.5	5.7	2.7	29.6
B17691	B14311/B12724	24	35.2	22.5	44.0	96.0	1.0	55.0	5.0	4.0	44.4
P16905	P11519/P12610	28	35.1	39.7	45.0	96.0	2.0	53.5	5.7	3.7	40.7
R17603	R12859/R12844	31	34.7	35.4	44.0	94.0	1.0	55.0	6.0	3.3	37.0
I13401	SR 09303, VIPER	30	32.9	29.7	43.0	93.0	2.5	50.5	4.0	7.0	77.8
N14229	N11275/N11256	4	32.4	18.2	45.0	98.0	2.0	53.5	5.7	3.0	33.3
B16504	Zenith//Alpena*/B09197	5	30.6	20.5	43.0	96.0	2.0	51.5	4.7	5.7	63.0
G17410	G13467/G13479	26	30.5	35.7	41.0	97.0	1.0	52.0	6.0	3.0	33.3
G16351	Eldorado/G13467	25	29.4	37.4	43.0	97.0	1.5	52.5	5.7	3.7	40.7
B15430	Zenith/B12721	19	29.3	26.1	41.0	97.0	1.0	52.5	5.0	3.7	40.7
R12844	SR9-5/R09508, CAYENNE	29	29.0	34.8	42.0	94.0	1.5	53.0	5.0	5.7	63.0
B10244	B04644/ZORRO, ZENITH	17	28.9	23.4	43.0	97.0	2.0	52.0	5.3	5.3	59.3
I18618	PT11-13B	6	27.2	38.9	44.0	93.0	2.5	50.5	4.3	5.3	59.3
B18504	Zenith//Alpena*/B09197	21	27.0	20.5	43.0	92.0	2.0	50.5	5.0	6.3	70.4
I11264	COOP 03019, MERLIN	14	25.8	19.7	44.0	98.0	1.5	54.5	5.0	2.0	22.2
N17504	N14206/N14229	15	25.7	19.3	45.0	98.0	2.0	54.0	5.3	3.0	33.3
N17506	N14230/N12447	16	25.1	19.9	44.0	97.0	1.0	53.5	6.0	3.3	37.0
N11283	MEDALIST/N08003, ALPENA	13	24.8	19.0	44.0	97.0	1.0	54.0	4.7	6.0	66.7
I15652	ND121630	11	23.9	35.8	42.0	93.0	2.5	50.5	3.7	7.0	77.8
I18629	PRP-153	10	23.8	37.2	43.0	99.0	3.0	44.5	3.3	6.0	66.7
B17536	B14311/B10244	23	22.4	18.8	42.0	96.0	1.0	50.0	4.3	4.3	48.2
B04554	B00103*/X00822, ZORRO	18	22.0	23.1	42.0	98.0	2.0	53.5	5.7	3.3	37.0
B17220	B10244/B12724	22	18.4	23.5	44.0	94.0	1.0	52.5	5.3	3.3	37.0
I17551	SR16-5	8	17.6	39.5	39.0	91.0	1.0	49.0	3.0	6.0	66.7
B16501	Zenith/B10215	20	17.3	18.8	44.0	93.0	1.0	51.0	4.3	5.7	63.0
I17550	NDZ14083	7	16.4	37.1	39.0	92.0	3.0	44.5	3.3	6.0	66.7
I18628	VCP-13	9	11.8	37.9	46.0	103.0	3.5	45.0	3.0	2.0	22.2
I81010	JAPON3/MAGDALENE, BUNSI	3	11.1	19.2	39.0	97.0	3.0	45.5	3.3	7.0	77.8
I96417	G122	1	10.6	40.5	40.0	103.0	2.0	45.5	2.7	3.7	40.7
I89011	RB, BERYL	2	7.4	30.2	39.0	90.0	4.0	40.0	3.0	8.7	96.3
I16705	ND121448	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN(32)			25.1	28.9	42.6	95.6	1.9	50.8	4.7	4.6	51.0
LSD(.05)			4.4	1.7	2.2	2.9	0.6	4.3	0.9	1.8	20.5
CV%			12.8	4.3	3.0	1.8	20.2	5.0	14.5	29.4	29.4

EXPERIMENT 8420 YDI YIELD TRIAL-WITH FERTILIZER/NON-INOCULATED							PLANTED: 6/26/18			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING HEIGHT (1-5)	HEIGHT (cm)	DES. SCORE	
B16504	Zenith//Alpena*/B09197	20	43.2	23.3	42.0	101.0	2.5	49.0	4.5	
B18504	Zenith//Alpena*/B09197	21	41.4	23.0	42.0	101.0	1.0	52.5	5.5	
B11519	I82054/B07554	1	41.0	23.0	46.0	102.0	2.5	49.0	4.0	
B11588	I82054/B07554	12	40.4	25.8	42.0	104.0	2.0	47.5	3.0	
B11602	I82054/B07554	14	39.8	27.4	42.0	103.0	2.5	47.0	3.0	
B04554	B00103*/X00822, ZORRO	24	39.7	22.9	42.0	101.0	2.0	50.0	4.0	
B10244	B04644/ZORRO, ZENITH	25	39.2	22.8	42.0	100.0	1.5	50.0	5.5	
B16501	Zenith/B10215	22	38.3	22.4	42.0	101.0	1.0	52.0	6.0	
B11552	I82054/B07554	5	37.8	23.5	43.0	108.0	3.0	47.5	3.0	
B17220	B10244/B12724	23	37.8	22.6	42.0	99.0	1.5	50.5	5.0	
B11611	I82054/B07554	15	37.7	23.2	42.0	103.0	2.0	47.5	3.0	
B11530	I82054/B07554	3	37.3	24.3	41.0	103.0	2.0	50.5	3.5	
B11617	I82054/B07554	16	37.1	23.0	42.0	102.0	1.0	47.5	3.5	
B11536	I82054/B07554	4	37.0	25.1	42.0	101.0	3.5	45.5	3.0	
B11567	I82054/B07554	7	36.1	24.8	43.0	102.0	3.0	44.5	3.0	
I11264	COOP 03019, MERLIN	26	35.0	21.2	41.0	104.0	1.5	52.0	4.5	
B11555	I82054/B07554	6	34.6	23.8	41.0	107.0	3.0	45.5	2.5	
B11586	I82054/B07554	11	34.1	24.0	42.0	102.0	1.5	50.5	4.0	
B11594	I82054/B07554	13	34.0	24.7	42.0	101.0	2.5	46.0	3.0	
B11571	I82054/B07554	8	33.3	22.6	44.0	105.0	1.5	50.5	3.5	
N17506	N14230/N12447	19	33.2	20.9	46.0	99.0	1.0	53.0	6.0	
B11521	I82054/B07554	2	32.4	23.4	42.0	109.0	4.0	45.5	2.5	
B11582	I82054/B07554	10	32.2	20.3	43.0	102.0	1.5	50.0	4.0	
N14229	N11275/N11256	17	31.8	18.3	43.0	98.0	1.0	53.0	6.0	
N17504	N14206/N14229	18	31.6	18.9	42.0	100.0	1.0	52.0	5.0	
B11580	I82054/B07554	9	29.9	23.7	45.0	107.0	2.5	47.5	3.0	
MEAN(26)		0	36.4	23.0	42.3	102.3	2.0	49.1	4.0	
LSD(.05)		0	4.7	1.2	1.6	2.7	0.9	3.0	1.1	
CV%		0	7.5	3.0	2.2	1.6	26.6	3.5	16.1	

EXPERIMENT 8422 YDI YIELD TRIAL-NO FERTILIZER/INOCULATED							PLANTED: 6/26/18		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING (1-5)	HEIGHT (cm)	DES. SCORE
B16504	Zenith//Alpena*/B09197	20	39.0	22.9	42.0	102.0	1.5	52.0	5.5
B11519	I82054/B07554	1	35.2	20.9	46.0	104.0	2.0	48.5	3.5
B11571	I82054/B07554	8	34.8	23.7	44.0	109.0	2.0	49.0	3.0
B11586	I82054/B07554	11	34.7	25.1	43.0	103.0	1.0	50.0	4.0
B11567	I82054/B07554	7	34.5	25.1	45.0	104.0	3.0	46.0	3.0
N17506	N14230/N12447	19	34.0	21.3	46.0	101.0	1.0	51.0	4.5
B04554	B00103*/X00822, ZORRO	24	33.7	22.7	41.0	103.0	1.5	51.0	5.0
B11602	I82054/B07554	14	33.6	26.9	43.0	102.0	2.5	46.5	3.0
B11536	I82054/B07554	4	33.4	22.6	42.0	102.0	2.5	47.5	3.0
B11594	I82054/B07554	13	33.3	24.7	42.0	104.0	2.0	48.0	4.0
B11588	I82054/B07554	12	32.9	25.9	42.0	104.0	1.5	49.5	4.0
B10244	B04644/ZORRO, ZENITH	25	32.8	23.4	42.0	100.0	1.5	51.0	5.5
B11582	I82054/B07554	10	32.6	20.3	46.0	105.0	1.5	50.5	4.0
B11580	I82054/B07554	9	31.8	23.3	47.0	107.0	2.5	48.5	3.0
B18504	Zenith//Alpena*/B09197	21	31.7	22.3	42.0	101.0	1.0	52.0	5.5
B11552	I82054/B07554	5	30.4	23.1	44.0	107.0	2.5	49.0	3.0
B17220	B10244/B12724	23	30.4	22.9	41.0	99.0	1.0	50.0	4.5
N14229	N11275/N11256	17	30.0	18.7	43.0	100.0	1.0	52.5	6.0
B11617	I82054/B07554	16	29.8	22.0	41.0	102.0	1.0	48.5	4.0
B11555	I82054/B07554	6	29.7	23.3	41.0	106.0	2.5	48.0	3.0
I11264	COOP 03019, MERLIN	26	29.3	20.0	42.0	106.0	1.5	53.5	4.0
B11530	I82054/B07554	3	28.7	24.1	41.0	107.0	1.5	49.5	4.0
N17504	N14206/N14229	18	28.5	19.1	44.0	98.0	1.0	50.5	5.5
B11611	I82054/B07554	15	28.4	23.8	42.0	107.0	1.0	49.0	3.5
B16501	Zenith/B10215	22	26.4	22.8	42.0	100.0	1.0	51.0	5.5
B11521	I82054/B07554	2	25.2	21.3	42.0	107.0	3.0	46.5	3.0
MEAN(26)			31.7	22.8	42.7	103.1	1.7	49.6	4.1
LSD(.05)			4.7	1.4	1.8	3.6	0.9	2.1	0.9
CV%			8.7	3.5	2.5	2.0	31.9	2.5	12.4