

## 2017 DRY BEAN YIELD TRIALS

EXPERIMENT	TITLE	PLANTING DATE	LOCATION	ENTRIES	DESIGN	REPS	HARVEST METHOD	
7101	STANDARD NAVY BEAN YIELD TRIAL	06/01/17	SVR&EC	FRANKENMUTH	30	REC. LATTICE	4	DIRECT HARVESTED
7102	STANDARD BLACK BEAN YIELD TRIAL	06/01/17	SVR&EC	FRANKENMUTH	48	ALPHA LATTICE	4	DIRECT HARVESTED
7103	PRELIMINARY BLACK BEAN YIELD TRIAL-1	06/01/17	SVR&EC	FRANKENMUTH	156	ALPHA LATTICE	3	DIRECT HARVESTED
7104	PRELIMINARY BLACK BEAN YIELD TRIAL-2	06/02/17	SVR&EC	FRANKENMUTH	156	ALPHA LATTICE	2	DIRECT HARVESTED
7105	PRELIMINARY BLACK BEAN YIELD TRIAL-3	06/02/17	SVR&EC	FRANKENMUTH	156	ALPHA LATTICE	2	DIRECT HARVESTED
7106	PRELIMINARY BLACK BEAN YIELD TRIAL-4	06/02/17	SVR&EC	FRANKENMUTH	108	ALPHA LATTICE	2	DIRECT HARVESTED
7107	PRELIMINARY BLACK BEAN YIELD TRIAL-5	06/02/17	SVR&EC	FRANKENMUTH	72	REC. LATTICE	2	DIRECT HARVESTED
7108	STANDARD GREAT NORTHERN YIELD TRIAL	06/02/17	SVR&EC	FRANKENMUTH	42	REC. LATTICE	4	DIRECT HARVESTED
7109	STANDARD PINTO BEAN YIELD TRIAL	06/05/17	SVR&EC	FRANKENMUTH	36	SQ. LATTICE	4	DIRECT HARVESTED
7110	STANDARD PINK & SMALL RED YIELD TRIAL	06/05/17	SVR&EC	FRANKENMUTH	36	SQ. LATTICE	4	DIRECT HARVESTED
7111	PRELIMINARY TEBO BEAN YIELD TRIAL	06/05/17	SVR&EC	FRANKENMUTH	48	ALPHA LATTICE	3	DIRECT HARVESTED
7112	MIDWEST & CO-OP. REGIONAL TRIAL	06/05/17	SVR&EC	FRANKENMUTH	36	SQ. LATTICE	3	DIRECT HARVESTED
7113	NATIONAL DRY BEAN DROUGHT TRIAL	06/05/17	SVR&EC	FRANKENMUTH	40	ALPHA LATTICE	3	DIRECT HARVESTED
7214	STANDARD KIDNEY BEAN YIELD TRIAL	06/13/17	ENTRICAN	MONTCALM	64	SQ. LATTICE	4	ROD PULLED
7215	PRELIMINARY KIDNEY BEAN YIELD TRIAL	06/13/17	ENTRICAN	MONTCALM	48	ALPHA LATTICE	3	ROD PULLED
7216	STANDARD YELLOW BEAN YIELD TRIAL	06/13/17	ENTRICAN	MONTCALM	28	ALPHA LATTICE	4	ROD PULLED
7217	NATIONAL WHITE MOLD YIELD TRIAL	06/14/17	ENTRICAN	MONTCALM	35	ALPHA LATTICE	3	DIRECT HARVESTED
7218	WHITE MOLD X NITROGEN RATE TRIAL	06/14/17	ENTRICAN	MONTCALM	2X3	FACTORIAL	4	ROD PULLED
7219	SEED NUTRIENT CONTENT TRIAL-IA STATE	06/14/17	ENTRICAN	MONTCALM	4	RCBD	4	ROD PULLED
7220	YELLOW BEAN ROOT ROT YIELD TRIAL	06/14/17	ENTRICAN	MONTCALM	6	RCBD	4	ROD 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. 1.0 PT BASAGRAN, 8 OZ. REFLEX, 4 OZ. RAPTOR ON JUNE 30.

PESTICIDES APPLIED: 9.6 OZ. ASANA ON JUNE 30.

ENTRICAN: FERTILIZER BROADCAST: 200 POUNDS OF 19-10-19 PRIOR TO PLANTING. 50 POUNDS 46-0-0 SIDE DRESSED ON JULY 24.

HERBICIDES APPLIED: 2 PT. SONALAN/1.25 QT EPTAM/2PT. DUAL PPI. 4 OZ. RAPTOR/14 OZ. REFLEX/1 PT BASAGRAN ON JULY 11.

PESTICIDES APPLIED: 9.6 OZ. ASANA ON JULY 11. 4 OZ. MUSTANG MAX ON AUGUST 14.

IRRIGATION APPLIED: 5.4 INCHES – 10 APPLICATIONS ON 7214,7215,7216,7219; 7.8 INCHES 17 APPLICATIONS ON 7217,7218, 7220.

EXPERIMENT 7101 STANDARD NAVY YIELD TRIAL								PLANTED: 6/1/17			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)	BRONZE SCORE
N14229	N11275/N11256	1	29.1	19.2	44.0	90.0	1.0	49.8	6.0	2.0	1.0
N14230	N11275/N11256	5	24.6	19.0	46.0	91.0	1.0	49.3	5.3	2.5	1.0
I11264	COOP 03019, <b>MERLIN</b>	15	24.4	19.9	44.0	93.0	1.3	49.3	4.8	2.5	1.0
N17506	N14230/N12447	21	24.2	20.6	45.0	90.0	1.0	47.5	5.3	2.0	1.0
N17504	N14206/N14229	19	24.1	20.0	45.0	90.0	1.0	46.3	4.8	1.5	1.0
N14218	N11256/N11298	9	24.0	19.6	46.0	91.0	1.0	48.3	5.3	1.5	1.0
N17508	Alpena/N14229	23	24.0	20.2	46.0	90.0	1.0	49.0	4.8	3.0	2.0
N15337	N12466/N11258	8	23.9	20.9	45.0	92.0	1.0	50.0	5.5	2.5	1.0
N15313	N11258/N11277	4	23.8	19.7	43.0	89.0	1.0	48.0	4.8	4.0	2.0
N17505	N14230/N12447	20	23.7	22.0	47.0	91.0	1.0	48.3	5.8	1.5	1.0
N14201	N11249/N11256	2	23.3	19.8	46.0	90.0	1.0	47.8	5.3	2.0	1.0
I10101	COOP 02084, <b>VIGILANT</b>	13	23.2	22.1	44.0	91.0	1.0	47.8	4.0	2.0	1.0
N17503	N14206/N14223	18	23.2	18.9	45.0	91.0	1.0	47.8	4.8	1.5	1.0
I17518	ACUG 14-1, <b>AAC SHOCK</b>	27	22.9	22.4	43.0	89.0	1.0	48.0	4.0	3.0	1.0
N17509	N12466/N14206	24	22.6	20.2	46.0	90.0	1.0	45.3	4.3	2.5	1.0
N15306	N11230/N11298	11	22.4	19.7	43.0	91.0	1.0	49.0	5.5	1.5	1.0
N14205	N11256/N11258	10	22.2	19.9	44.0	89.0	1.0	46.5	4.5	2.0	1.0
N15341	N12468/N12466	12	21.6	20.3	45.0	91.0	1.0	47.8	5.0	1.0	1.0
N17510	N13124/N14230	25	21.4	19.0	44.0	90.0	1.0	47.3	4.5	2.0	1.0
I08902	HYLAND T9905	28	20.6	23.0	44.0	94.0	1.3	48.8	4.3	1.5	1.0
N17501	N13124/N14206	16	20.3	18.8	45.0	92.0	1.0	48.5	5.0	2.0	1.0
N16405	N12466/N11264	7	20.0	21.0	45.0	88.0	1.0	47.8	5.8	1.0	1.0
N17502	N14206/N14223	17	20.0	18.8	44.0	89.0	1.0	45.0	4.0	2.0	1.0
N15331	N12438/N12468	3	19.7	20.8	45.0	92.0	1.0	48.3	5.3	1.5	2.0
N17507	N14235/N14243	22	19.4	18.4	44.0	90.0	1.0	47.0	4.5	2.0	1.0
N16401	N09175/Alpena	6	17.9	21.7	44.0	88.0	1.0	43.5	4.0	1.0	2.0
I08958	Mayflower/Avanti, <b>MEDALIST</b>	26	17.2	21.3	43.0	94.0	1.8	49.5	4.3	2.5	1.0
N11283	MEDALIST/N08003, <b>ALPENNA</b>	14	15.7	19.1	43.0	91.0	1.0	46.0	4.0	2.5	1.0
I17527	PR1217-16, <b>BELLA</b>	30	14.5	26.6	43.0	90.0	1.0	43.0	3.3	2.5	1.0
I17526	PR0801-81A	29	13.7	24.1	43.0	92.0	1.0	46.5	3.0	2.5	2.0
MEAN(30)			21.6	20.6	44.5	90.5	1.0	47.5	4.7	2.1	1.1
LSD(.05)			2.6	0.7	1.0	1.8	0.3	2.3	0.9	1.2	0.9
CV%			10.2	2.7	1.3	1.2	15.4	2.9	12.0	34.7	31.3

EXPERIMENT 7102 STANDARD BLACK YIELD TRIAL								PLANTED: 6/1/17			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)	BRONZE SCORE
B17119	B14306/B13218	44	26.1	20.5	48.0	89.0	1.0	46.8	4.3	2.5	4.0
B16504	Zenith//Alpena*/B09197	1	25.7	21.6	47.0	92.0	1.0	48.5	5.3	1.0	2.0
B15430	Zenith/B12721	25	25.5	24.3	47.0	89.0	1.0	48.5	4.8	2.0	3.0
B15447	B11363/Zenith	19	24.5	23.1	47.0	92.0	1.0	47.0	4.3	2.5	4.0
B15411	B09175/B11363	21	24.2	22.0	47.0	90.0	1.0	45.0	4.5	3.0	2.0
B16501	Zenith/B10215	4	24.2	22.6	47.0	90.0	1.0	46.0	4.0	1.5	2.0
B17109	B14303/B13218	34	23.9	24.0	47.0	91.0	1.0	48.3	5.8	1.0	3.0
B17103	B11371/B13204	28	23.7	21.9	47.0	89.0	1.0	47.3	4.8	1.0	4.0
B17118	B14306/B13218	43	23.7	20.0	46.0	90.0	1.0	46.5	4.8	1.0	4.0
B17115	B14306/B14311	40	23.6	20.4	48.0	89.0	1.0	46.8	4.3	1.5	5.0
B15434	Zenith/B12721	18	23.6	22.6	48.0	92.0	1.0	48.0	5.3	1.0	1.0
B15443	B11363/B09175	15	23.5	25.5	46.0	91.0	1.0	47.5	4.3	1.5	3.0
B17108	B14303/B13204	33	23.3	20.6	47.0	91.0	1.0	48.0	5.3	1.0	3.0
B15417	B10208/B09175	5	23.0	23.3	47.0	92.0	1.0	48.8	5.0	1.0	2.0
B15453	B11371/B11363	16	22.8	22.6	49.0	91.0	1.0	46.8	4.3	1.0	2.0
B17104	B11371/B14305	29	22.8	22.4	48.0	91.0	1.0	47.0	4.5	2.0	3.0
B15451	B11371/B11363	11	22.7	22.6	48.0	92.0	1.0	48.0	5.0	1.5	1.0
B17107	B14303/B13204	32	22.4	20.9	47.0	92.0	1.0	47.3	5.3	1.0	3.0
B15427	Zenith/B11343	12	22.3	24.3	47.0	89.0	1.0	46.3	4.8	3.0	2.0
B16503	Zenith/B12720	17	22.3	24.9	49.0	90.0	1.0	47.5	4.3	2.0	4.0
B16505	B11363//Alpena*/B09197	10	22.2	21.3	47.0	90.0	1.0	44.5	4.0	1.5	3.0
I17501	BL12576, <b>BLACK BEAR</b>	45	22.2	21.4	47.0	93.0	1.0	49.8	5.0	1.0	1.0
B17112	B14304/B10244	37	22.0	20.4	48.0	89.0	1.0	47.5	4.3	3.0	3.0
B15464	B12709/B12721	13	21.9	24.2	47.0	90.0	1.0	47.5	5.0	1.0	3.0
B17106	B14302/B13218	31	21.9	19.5	46.0	88.0	1.0	47.3	5.0	1.0	3.0
B17117	B14306/B14305	42	21.8	20.4	49.0	89.0	1.0	45.8	4.3	2.5	4.0
B16511	B13204//Alpena*/B09197	7	21.7	22.5	46.0	91.0	1.0	47.0	4.3	3.0	3.0
B17101	Zorro/B14302	26	21.5	19.1	48.0	89.0	1.0	45.0	3.3	2.5	3.0
B17116	B14306/B14311	41	21.5	20.4	49.0	89.0	1.0	47.8	4.8	1.5	4.0
B17114	B14304/B14302	39	21.2	23.2	48.0	93.0	1.0	47.8	5.3	2.5	1.0
B17111	B14303/B14301	36	21.1	19.2	47.0	88.0	1.0	45.3	4.5	1.0	2.0
B15414	B09175/B11611	8	20.9	27.1	46.0	94.0	1.0	48.5	5.3	1.0	2.0
B16507	B12720/Zenith	3	20.9	25.5	48.0	92.0	1.0	48.3	5.0	1.5	3.0
B17113	B14304/B14302	38	20.8	23.3	49.0	93.0	1.0	48.8	5.5	1.5	1.0
B16506	B11363//Alpena*/B09197	2	20.5	23.0	47.0	91.0	1.0	46.0	4.0	2.5	2.0

EXPERIMENT 7102 STANDARD BLACK YIELD TRIAL								PLANTED: 6/1/17			
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)	BRONZE SCORE
B17105	B14302/B13218	30	20.3	21.5	47.0	91.0	1.0	46.8	4.8	1.5	3.0
I17517	ACUG 15-B4	46	20.0	21.9	47.0	90.0	1.0	47.8	4.0	2.0	1.0
B17110	B14303/B14301	35	20.0	21.7	47.0	90.0	1.0	45.8	4.3	1.5	2.0
B16502	Zenith/B12710	22	20.0	23.6	46.0	92.0	1.0	47.8	4.3	2.5	3.0
B15442	B11363/B09175	6	19.9	25.9	48.0	93.0	1.0	47.8	4.5	1.5	2.0
I17529	PR1483-105	48	19.2	22.1	47.0	89.0	1.0	47.3	4.0	1.0	3.0
I03390	ND9902621-2, <b>ECLIPSE</b>	23	19.1	21.7	47.0	89.0	1.0	47.3	4.0	3.0	2.0
B16510	B12720/B11363	20	18.7	21.3	47.0	90.0	1.0	46.8	4.3	3.5	1.0
B16508	B12720/Zenith	14	18.5	27.6	47.0	92.0	1.0	47.3	4.3	1.0	2.0
B10244	B04644/ZORRO, <b>ZENITH</b>	9	18.4	24.3	48.0	93.0	1.0	48.3	4.8	2.5	4.0
B04554	B00103*/X00822, <b>ZORRO</b>	24	16.5	22.7	48.0	92.0	1.0	46.3	4.0	2.0	2.0
B17102	Zorro/B14302	27	15.9	18.0	48.0	89.0	1.0	43.8	4.0	1.5	3.0
I17528	PR1147-3	47	13.1	23.6	47.0	91.0	1.0	46.8	3.8	1.0	2.0
MEAN(48)			21.6	22.4	47.1	90.5	1.0	47.1	4.5	1.7	2.3
LSD(.05)			2.6	0.7	1.3	1.1	-	1.4	0.7	1.0	1.0
CV%			10.1	2.8	1.6	1.0	-	2.4	12.5	35.6	25.7

**EXPERIMENT 7103 PRELIMINARY BLACK YIELD TRIAL (POP.05)**

**PLANTED: 6/1/17**

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB	BRONZE
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE (1-5)	SCORE	SCORE
B17220	Zenith/B12724	20	31.7	23.2	45.0	93.0	1.0	49.0	5.5	2.5	2.0
B17202	Zenith/B12724	2	31.5	20.7	47.0	92.0	1.0	49.5	5.0	2.5	1.0
B17218	Zenith/B12724	18	31.4	22.4	45.0	93.0	1.0	49.0	4.5	3.5	2.0
B17328	Zenith/B12724	128	31.3	23.0	48.0	92.0	1.0	46.5	5.0	1.5	1.0
B17269	Zenith/B12724	69	31.2	23.8	46.0	93.0	1.0	47.5	4.5	2.5	2.0
B17315	Zenith/B12724	115	31.1	21.3	47.0	92.0	1.0	48.0	4.0	2.5	1.0
B17293	Zenith/B12724	93	30.1	22.4	-	92.0	1.0	48.0	5.0	2.5	3.0
B17255	Zenith/B12724	55	30.1	22.3	47.0	92.0	1.0	47.0	4.0	1.0	1.0
B17224	Zenith/B12724	24	30.1	21.9	47.0	93.0	1.0	48.5	4.5	2.0	2.0
B17271	Zenith/B12724	71	30.0	23.8	47.0	92.0	1.0	46.5	4.5	1.5	2.0
B15430	Zenith/B12721	155	29.9	24.8	44.0	90.0	1.0	47.0	5.0	2.0	3.0
B17290	Zenith/B12724	90	29.7	22.7	46.0	92.0	1.0	48.0	4.5	1.5	2.0
B17323	Zenith/B12724	123	29.5	23.2	46.0	94.0	1.0	48.5	5.0	2.5	1.0
B17228	Zenith/B12724	28	29.3	22.6	45.0	93.0	1.0	47.5	5.0	1.0	3.0
B17260	Zenith/B12724	60	29.2	21.8	47.0	92.0	1.0	49.0	6.0	2.5	2.0
B17305	Zenith/B12724	105	29.1	24.2	47.0	92.0	1.0	48.0	5.0	2.5	3.0
B17306	Zenith/B12724	106	29.0	22.3	47.0	93.0	1.0	48.0	5.5	1.0	2.0
B17340	Zenith/B12724	140	28.9	23.7	-	93.0	1.0	48.5	5.0	2.0	2.0
B17259	Zenith/B12724	59	28.9	22.1	48.0	92.0	1.0	48.0	5.0	1.5	2.0
B17346	Zenith/B12724	146	28.9	20.8	47.0	90.0	1.0	46.5	4.5	2.5	3.0
B17286	Zenith/B12724	86	28.8	22.1	46.0	92.0	1.0	47.0	5.0	2.5	2.0
B17262	Zenith/B12724	62	28.7	23.0	48.0	94.0	1.0	50.0	6.0	3.5	2.0
B17214	Zenith/B12724	14	28.7	24.0	45.0	92.0	1.0	48.0	5.0	2.0	2.0
B17342	Zenith/B12724	142	28.6	24.2	45.0	95.0	1.0	51.0	5.5	1.5	1.0
B17330	Zenith/B12724	130	28.5	22.8	47.0	93.0	1.0	48.5	5.0	1.5	2.0
B17280	Zenith/B12724	80	28.5	21.3	46.0	91.0	1.0	46.5	4.0	1.5	2.0
B17268	Zenith/B12724	68	28.5	21.5	46.0	92.0	1.0	47.0	4.5	4.0	3.0
B17298	Zenith/B12724	98	28.5	23.2	-	91.0	1.0	45.5	4.5	3.0	3.0
B17265	Zenith/B12724	65	28.4	22.7	45.0	93.0	1.0	48.0	5.0	2.0	2.0
B17317	Zenith/B12724	117	28.4	23.3	46.0	92.0	1.0	47.0	5.0	2.5	4.0
B17325	Zenith/B12724	125	28.3	21.1	46.0	94.0	1.0	47.5	5.0	2.0	2.0
B17207	Zenith/B12724	7	28.2	21.0	46.0	93.0	1.0	46.5	5.0	3.0	1.0
B17287	Zenith/B12724	87	28.1	21.6	46.0	93.0	1.0	46.5	4.0	4.0	3.0
B17274	Zenith/B12724	74	28.1	20.7	46.0	90.0	1.0	45.0	4.5	1.5	3.0
B17225	Zenith/B12724	25	28.1	20.0	46.0	92.0	1.0	46.5	4.5	2.0	2.0
B17237	Zenith/B12724	37	28.0	21.6	45.0	94.0	1.0	49.0	5.0	2.0	1.0
B17223	Zenith/B12724	23	28.0	22.9	45.0	94.0	1.0	47.0	4.0	2.5	2.0
B17206	Zenith/B12724	6	28.0	22.1	47.0	94.0	1.0	49.5	4.5	3.0	3.0
B17324	Zenith/B12724	124	28.0	22.6	47.0	92.0	1.0	48.0	4.0	3.5	2.0
B17241	Zenith/B12724	41	28.0	23.3	46.0	92.0	1.0	47.0	4.5	2.5	3.0

**EXPERIMENT 7103 PRELIMINARY BLACK YIELD TRIAL (POP.05)**

**PLANTED: 6/1/17**

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING	HEIGHT	DES.	CBB	BRONZE
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE (1-5)	SCORE	SCORE
B17213	Zenith/B12724	13	28.0	21.5	-	92.0	1.0	49.0	5.5	3.0	1.0
B17263	Zenith/B12724	63	27.8	23.0	46.0	92.0	1.0	48.5	5.5	4.0	2.0
B14302	B09197/B11334	150	27.8	19.8	46.0	92.0	1.0	48.0	5.0	1.5	2.0
B17270	Zenith/B12724	70	27.7	22.3	-	95.0	1.0	48.0	5.0	2.0	1.0
B16507	B12720/Zenith	154	27.7	26.2	44.0	92.0	1.0	47.5	4.5	2.0	1.0
B17266	Zenith/B12724	66	27.6	21.1	47.0	92.0	1.0	46.0	5.0	1.0	2.0
B17329	Zenith/B12724	129	27.6	24.0	48.0	93.0	1.0	49.0	4.5	3.0	3.0
B17299	Zenith/B12724	99	27.6	22.7	46.0	94.0	1.0	48.5	4.0	2.5	2.0
B17221	Zenith/B12724	21	27.6	23.0	45.0	92.0	1.0	47.5	5.5	3.5	2.0
B17339	Zenith/B12724	139	27.5	21.7	46.0	92.0	1.0	47.0	4.5	1.5	2.0
B17208	Zenith/B12724	8	27.5	22.3	46.0	92.0	1.0	48.0	5.5	1.0	2.0
B17295	Zenith/B12724	95	27.4	20.2	46.0	93.0	1.0	48.0	5.0	2.0	3.0
B17227	Zenith/B12724	27	27.4	23.0	47.0	94.0	1.0	48.0	4.5	3.0	2.0
B17211	Zenith/B12724	11	27.4	23.0	46.0	92.0	1.0	48.0	5.0	2.5	3.0
B17261	Zenith/B12724	61	27.3	23.2	46.0	92.0	1.0	47.0	5.0	3.5	3.0
B17233	Zenith/B12724	33	27.3	23.4	47.0	92.0	1.0	47.5	5.0	4.0	1.0
B17294	Zenith/B12724	94	27.3	22.8	47.0	91.0	1.0	47.0	4.0	3.0	3.0
B17201	Zenith/B12724	1	27.2	20.7	46.0	91.0	1.0	45.0	4.0	3.0	4.0
B17308	Zenith/B12724	108	27.2	21.2	46.0	91.0	1.0	45.0	4.0	2.5	3.0
B17209	Zenith/B12724	9	27.1	23.6	44.0	94.0	1.0	48.0	4.5	3.0	2.0
B17212	Zenith/B12724	12	27.1	22.2	46.0	91.0	1.0	47.5	4.5	1.0	1.0
B17292	Zenith/B12724	92	27.1	21.9	-	93.0	1.0	49.0	5.5	1.0	1.0
B17307	Zenith/B12724	107	27.1	22.1	47.0	91.0	1.0	46.5	4.0	3.5	3.0
B17344	Zenith/B12724	144	27.0	23.0	46.0	92.0	1.0	47.0	4.5	1.0	1.0
B17235	Zenith/B12724	35	27.0	21.0	46.0	93.0	1.0	48.0	5.0	2.0	3.0
B17338	Zenith/B12724	138	26.9	19.9	48.0	95.0	1.0	48.0	4.5	3.5	1.0
B17251	Zenith/B12724	51	26.9	22.3	46.0	92.0	1.0	46.0	4.5	1.5	3.0
B17313	Zenith/B12724	113	26.8	22.2	46.0	92.0	1.0	48.5	5.0	3.0	4.0
B17291	Zenith/B12724	91	26.8	22.6	45.0	93.0	1.0	47.5	5.0	3.0	4.0
B17222	Zenith/B12724	22	26.8	23.7	46.0	93.0	1.0	47.5	4.5	2.0	2.0
B17231	Zenith/B12724	31	26.8	22.9	46.0	93.0	1.0	47.5	4.5	2.5	2.0
B17314	Zenith/B12724	114	26.7	21.1	46.0	94.0	1.0	48.0	4.5	3.5	3.0
B17281	Zenith/B12724	81	26.7	21.3	46.0	90.0	1.0	46.0	4.5	3.0	2.0
B17321	Zenith/B12724	121	26.6	23.2	45.0	91.0	1.0	47.5	5.0	1.0	3.0
B17320	Zenith/B12724	120	26.6	21.8	46.0	92.0	1.0	47.0	4.5	2.5	2.0
B17272	Zenith/B12724	72	26.6	22.9	47.0	93.0	1.0	47.0	5.0	3.5	2.0
B17311	Zenith/B12724	111	26.4	22.3	45.0	95.0	1.0	49.0	4.5	4.0	2.0
B17264	Zenith/B12724	64	26.4	22.1	46.0	90.0	1.0	47.0	4.5	3.5	3.0
B17331	Zenith/B12724	131	26.4	22.5	44.0	93.0	1.0	48.0	5.0	2.5	3.0
B17300	Zenith/B12724	100	26.4	21.7	47.0	92.0	1.0	48.5	5.5	3.0	3.0

## EXPERIMENT 7103 PRELIMINARY BLACK YIELD TRIAL (POP.05)

PLANTED: 6/1/17

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)	BRONZE SCORE
B17232	Zenith/B12724	32	26.4	22.0	47.0	91.0	1.0	45.5	4.5	2.0	5.0
B17254	Zenith/B12724	54	26.3	20.8	45.0	92.0	1.0	48.5	4.5	2.0	4.0
B17257	Zenith/B12724	57	26.3	22.9	46.0	91.0	1.0	48.5	5.5	2.5	3.0
B17216	Zenith/B12724	16	26.3	23.1	48.0	91.0	1.0	46.5	5.0	1.5	2.0
B17215	Zenith/B12724	15	26.3	22.2	45.0	95.0	1.0	48.0	4.5	3.5	2.0
B17245	Zenith/B12724	45	26.3	22.4	47.0	91.0	1.0	46.5	4.0	3.5	3.0
B10244	B04644/ZORRO, ZENITH	147	26.3	22.4	46.0	94.0	1.0	47.0	4.5	2.5	2.0
B17204	Zenith/B12724	4	26.2	22.1	46.0	91.0	1.0	47.5	4.5	1.0	1.0
B17256	Zenith/B12724	56	26.1	22.1	48.0	92.0	1.0	48.5	5.0	1.5	1.0
B17335	Zenith/B12724	135	25.9	20.7	48.0	95.0	1.0	47.5	4.5	1.5	2.0
B17242	Zenith/B12724	42	25.9	21.9	46.0	92.0	1.0	47.0	4.0	2.5	2.0
B17234	Zenith/B12724	34	25.9	22.9	45.0	92.0	1.0	46.0	4.5	1.5	2.0
B17283	Zenith/B12724	83	25.8	21.7	47.0	93.0	1.0	47.5	5.0	2.0	4.0
B17310	Zenith/B12724	110	25.7	22.1	46.0	91.0	1.0	47.0	4.0	4.5	3.0
B17279	Zenith/B12724	79	25.7	22.7	47.0	92.0	1.0	47.0	5.0	3.5	5.0
B17322	Zenith/B12724	122	25.7	20.0	47.0	92.0	1.0	47.0	4.5	2.0	2.0
B17247	Zenith/B12724	47	25.7	22.2	46.0	96.0	1.0	49.0	4.5	2.0	1.0
B17250	Zenith/B12724	50	25.6	21.7	44.0	92.0	1.0	48.0	5.0	2.0	4.0
B17284	Zenith/B12724	84	25.5	20.0	47.0	92.0	1.0	46.5	4.5	2.5	2.0
B17248	Zenith/B12724	48	25.5	22.7	47.0	93.0	1.0	48.0	4.5	1.5	2.0
B17301	Zenith/B12724	101	25.5	21.3	46.0	90.0	1.0	45.5	4.0	3.5	3.0
B16506	B11363//Alpena*/B09197	153	25.5	23.5	46.0	92.0	1.0	46.0	4.0	2.0	1.0
B17303	Zenith/B12724	103	25.5	23.0	47.0	92.0	1.0	47.5	4.5	1.5	1.0
B17341	Zenith/B12724	141	25.5	22.5	46.0	91.0	1.0	46.0	4.5	1.0	4.0
B17343	Zenith/B12724	143	25.4	19.6	46.0	94.0	1.0	46.5	4.5	1.5	3.0
B17333	Zenith/B12724	133	25.4	21.8	45.0	91.0	1.0	46.0	4.5	2.5	4.0
B17326	Zenith/B12724	126	25.3	22.1	46.0	91.0	1.0	47.0	5.0	1.0	3.0
B17278	Zenith/B12724	78	25.3	21.9	48.0	92.0	1.0	47.0	4.5	3.0	3.0
B17276	Zenith/B12724	76	25.3	20.9	48.0	93.0	1.0	48.0	5.0	2.0	2.0
B17277	Zenith/B12724	77	25.2	21.8	45.0	91.0	1.0	46.5	4.0	1.0	1.0
B17240	Zenith/B12724	40	25.2	20.0	46.0	90.0	1.0	45.5	4.0	1.0	3.0
B17297	Zenith/B12724	97	25.2	21.8	46.0	90.0	1.0	44.5	4.0	2.5	5.0
B17273	Zenith/B12724	73	25.1	23.6	45.0	92.0	1.0	46.0	4.0	1.5	1.0
B17252	Zenith/B12724	52	25.1	21.9	48.0	94.0	1.0	46.0	4.5	3.0	2.0
B17226	Zenith/B12724	26	25.1	21.5	46.0	91.0	1.0	47.0	4.5	2.0	2.0
B17229	Zenith/B12724	29	25.0	21.1	46.0	93.0	1.0	48.0	4.5	1.5	3.0
B17239	Zenith/B12724	39	25.0	21.7	44.0	91.0	1.0	46.0	4.0	3.5	1.0
B17253	Zenith/B12724	53	24.9	23.4	46.0	94.0	1.0	48.5	5.0	2.5	2.0
B17285	Zenith/B12724	85	24.9	21.6	46.0	91.0	1.0	46.0	4.0	1.0	2.0
B17282	Zenith/B12724	82	24.9	22.4	48.0	91.0	1.0	46.5	4.5	2.5	5.0

**EXPERIMENT 7103 PRELIMINARY BLACK YIELD TRIAL (POP.05)**

**PLANTED: 6/1/17**

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)	BRONZE SCORE
			/ACRE	WT. (g)							
B17302	Zenith/B12724	102	24.8	22.6	46.0	94.0	1.0	49.5	5.0	3.5	2.0
B17244	Zenith/B12724	44	24.8	23.2	46.0	92.0	1.0	47.0	4.5	2.5	2.0
B17334	Zenith/B12724	134	24.7	21.5	48.0	95.0	1.0	48.0	4.5	3.0	2.0
B17258	Zenith/B12724	58	24.7	23.0	47.0	92.0	1.0	49.0	4.5	3.0	3.0
B17288	Zenith/B12724	88	24.7	21.7	47.0	94.0	1.0	46.5	4.5	2.0	3.0
B17345	Zenith/B12724	145	24.6	21.2	46.0	94.0	1.0	48.5	5.0	2.0	1.0
B17316	Zenith/B12724	116	24.6	22.2	47.0	92.0	1.0	46.0	4.0	1.5	1.0
B17246	Zenith/B12724	46	24.4	23.0	47.0	96.0	1.0	50.0	4.0	2.0	2.0
B17203	Zenith/B12724	3	24.4	21.3	47.0	91.0	1.0	46.5	4.0	2.0	4.0
B17238	Zenith/B12724	38	24.3	22.4	46.0	93.0	1.0	44.5	4.0	3.5	2.0
B17336	Zenith/B12724	136	24.3	21.7	47.0	91.0	1.0	44.5	4.0	3.0	4.0
B17217	Zenith/B12724	17	24.3	22.1	48.0	95.0	1.0	48.5	4.0	3.5	2.0
B17219	Zenith/B12724	19	24.2	24.3	46.0	95.0	1.0	48.5	4.0	3.0	1.0
B14303	B09197/B11334	151	24.2	20.4	45.0	93.0	1.0	47.5	5.0	2.0	2.0
B12724	B09184/B09135	148	24.1	22.3	45.0	93.0	1.0	46.5	4.5	1.5	2.0
B17249	Zenith/B12724	49	24.1	21.9	46.0	92.0	1.0	46.0	4.0	1.0	4.0
B14311	B11338/B10241	149	24.1	21.2	46.0	92.0	1.0	45.5	4.5	2.0	2.0
B17309	Zenith/B12724	109	23.9	21.3	46.0	92.0	1.0	46.5	4.0	3.5	2.0
B17296	Zenith/B12724	96	23.8	21.4	47.0	92.0	1.0	46.5	4.5	2.0	3.0
B17304	Zenith/B12724	104	23.6	21.9	48.0	92.0	1.0	46.5	4.5	2.5	3.0
B04554	B00103*/X00822, <b>ZORRO</b>	89	23.4	22.6	47.0	92.0	1.0	47.5	4.5	3.0	2.0
B17210	Zenith/B12724	10	23.4	21.7	45.0	90.0	1.0	45.5	4.0	1.5	2.0
B17318	Zenith/B12724	118	23.2	22.2	46.0	91.0	1.0	44.5	4.0	2.0	1.0
B17275	Zenith/B12724	75	23.0	23.4	47.0	91.0	1.0	47.5	4.5	2.5	2.0
I03390	ND9902621-2, <b>ECLIPSE</b>	152	22.9	23.2	47.0	90.0	1.0	45.0	4.0	2.0	2.0
B17327	Zenith/B12724	127	22.8	21.2	46.0	92.0	1.0	45.5	4.5	2.5	2.0
B17267	Zenith/B12724	67	22.4	23.4	46.0	93.0	1.0	46.0	4.5	1.5	2.0
B17205	Zenith/B12724	5	22.1	20.9	46.0	92.0	1.0	45.0	4.0	4.0	3.0
B17236	Zenith/B12724	36	21.9	21.5	47.0	91.0	1.0	47.0	4.0	3.5	3.0
B17332	Zenith/B12724	132	21.9	20.3	46.0	90.0	1.0	45.5	4.0	1.0	3.0
B17312	Zenith/B12724	112	21.9	21.6	46.0	91.0	1.0	45.0	4.5	1.5	3.0
B17230	Zenith/B12724	30	21.5	22.3	45.0	90.0	1.0	45.0	4.5	2.0	3.0
B17319	Zenith/B12724	119	20.8	22.4	46.0	90.0	1.0	46.0	4.0	3.0	5.0
B17243	Zenith/B12724	43	19.1	22.2	47.0	93.0	1.0	47.1	4.0	2.0	2.0
I16708	<b>XRAV-40-4</b>	156	19.1	20.9	46.0	90.0	1.0	44.5	4.0	3.5	2.0
B17337	Zenith/B12724	137	16.6	20.9	46.0	90.0	1.0	43.0	4.0	3.0	3.0
MEAN(156)			26.3	22.2	46.1	92.0	1.0	47.2	4.6	2.3	2.2
LSD(.05)			3.0	1.1	1.1	1.8	-	2.1	1.0	1.4	1.0
CV%			8.3	3.7	1.4	1.2	-	2.7	13.1	35.3	29.0



## EXPERIMENT 7104 PRELIMINARY BLACK YIELD TRIAL (POP.76)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB	BRONZE
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE (1-5)	SCORE	SCORE
B17416	B14311/Zenith	16	33.7	24.1	46.0	94.0	1.0	48.0	4.5	2.5	2.0
B17511	B14311/Zenith	111	32.8	24.4	47.0	91.0	1.0	47.0	5.0	3.0	3.0
B17453	B14311/Zenith	53	32.5	20.9	46.0	93.0	1.0	46.5	4.5	1.0	2.0
B17431	B14311/Zenith	31	32.5	20.3	45.0	92.0	1.0	45.5	4.5	2.0	2.0
B17478	B14311/Zenith	78	32.4	24.0	48.0	93.0	1.0	49.0	5.0	2.0	2.0
B17426	B14311/Zenith	26	32.3	21.3	47.0	94.0	1.0	47.5	5.5	2.0	3.0
B17536	B14311/Zenith	136	32.0	21.7	48.0	94.0	1.0	46.5	5.0	2.0	2.0
B17487	B14311/Zenith	87	31.9	23.9	48.0	93.0	1.0	45.0	4.0	2.0	2.0
B17410	B14311/Zenith	10	31.8	23.9	46.0	93.0	1.0	47.5	5.5	1.5	3.0
B17421	B14311/Zenith	21	31.5	20.7	47.0	92.0	1.0	47.5	6.0	1.5	1.0
B17467	B14311/Zenith	67	31.5	21.1	46.0	93.0	1.0	46.0	4.5	2.0	4.0
B17429	B14311/Zenith	29	31.4	25.6	48.0	94.0	1.0	47.5	5.0	2.5	2.0
B17472	B14311/Zenith	72	31.4	22.5	47.0	95.0	1.0	46.0	4.5	1.5	1.0
B17438	B14311/Zenith	38	31.1	20.8	47.0	93.0	1.0	47.5	5.0	2.0	3.0
B17460	B14311/Zenith	60	31.1	23.2	49.0	94.0	1.0	46.5	4.0	2.5	2.0
B17509	B14311/Zenith	109	30.7	23.0	48.0	94.0	1.0	47.0	5.0	2.5	2.0
B17528	B14311/Zenith	128	30.6	22.2	47.0	94.0	1.0	45.5	4.0	1.5	3.0
B17510	B14311/Zenith	110	30.5	22.0	48.0	93.0	1.0	45.5	4.0	3.0	2.0
B17494	B14311/Zenith	94	30.4	21.6	46.0	93.0	1.0	47.5	5.5	3.0	4.0
B17449	B14311/Zenith	49	30.2	20.6	47.0	93.0	1.0	47.0	4.5	1.5	1.0
B17481	B14311/Zenith	81	30.2	22.3	49.0	95.0	1.0	47.0	4.5	2.0	2.0
B17522	B14311/Zenith	122	30.2	20.1	47.0	92.0	1.0	47.5	4.5	2.0	2.0
B17417	B14311/Zenith	17	30.2	21.8	46.0	94.0	1.0	43.0	4.5	2.5	3.0
B17455	B14311/Zenith	55	30.2	21.5	47.0	94.0	1.0	46.5	4.5	2.5	3.0
B17402	B14311/Zenith	2	30.1	21.0	48.0	94.0	1.0	46.0	5.0	2.0	2.0
B17540	B14311/Zenith	140	29.9	22.2	47.0	93.0	1.0	46.0	4.5	3.0	2.0
B17501	B14311/Zenith	101	29.8	21.9	46.0	94.0	1.0	44.5	4.5	3.0	1.0
B17512	B14311/Zenith	112	29.7	20.9	47.0	94.0	1.0	47.0	5.0	1.5	2.0
B17541	B14311/Zenith	141	29.7	20.0	48.0	92.0	1.0	44.5	4.0	2.0	3.0
B14311	B11338/B10241	148	29.7	20.7	46.0	93.0	1.0	46.5	4.5	1.0	2.0
B17413	B14311/Zenith	13	29.6	22.5	47.0	94.0	1.0	48.5	5.5	2.0	2.0
B17401	B14311/Zenith	1	29.6	22.9	47.0	93.0	1.0	47.0	4.5	3.5	3.0
B12724	B09184/B09135	150	29.6	22.2	47.0	92.0	1.0	46.0	4.5	1.5	1.0
B17520	B14311/Zenith	120	29.6	22.4	46.0	93.0	1.0	47.0	5.0	1.5	2.0
B17477	B14311/Zenith	77	29.6	21.2	46.0	94.0	1.0	46.5	4.5	1.5	2.0
B17515	B14311/Zenith	115	29.5	23.3	45.0	94.0	1.0	47.0	4.5	1.5	3.0
B17486	B14311/Zenith	86	29.5	20.2	46.0	92.0	1.0	47.0	4.5	3.0	2.0
B17424	B14311/Zenith	24	29.5	24.7	47.0	93.0	1.0	47.0	4.5	1.5	1.0
B17459	B14311/Zenith	59	29.4	23.6	47.0	94.0	1.0	47.5	5.0	1.0	2.0
B17479	B14311/Zenith	79	29.4	23.9	46.0	96.0	1.0	47.0	4.5	2.5	1.0

**EXPERIMENT 7104 PRELIMINARY BLACK YIELD TRIAL (POP.76)**

**PLANTED: 6/2/17**

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	CBB	BRONZE
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE (1-5)	SCORE	SCORE
B17415	B14311/Zenith	15	29.2	21.9	48.0	93.0	1.0	46.5	4.5	2.0	3.0
B17491	B14311/Zenith	91	29.2	23.7	48.0	95.0	1.0	46.0	4.0	2.0	2.0
B17523	B14311/Zenith	123	29.2	21.8	46.0	94.0	1.0	46.0	4.5	2.5	2.0
B17450	B14311/Zenith	50	29.2	23.5	47.0	94.0	1.0	47.5	5.0	1.5	3.0
B17418	B14311/Zenith	18	29.2	20.2	45.0	92.0	1.0	43.5	4.0	2.5	2.0
B17440	B14311/Zenith	40	29.2	24.3	45.0	94.0	1.0	47.0	5.0	2.0	2.0
B17422	B14311/Zenith	22	29.2	22.1	47.0	94.0	1.0	47.0	5.0	3.5	2.0
B17419	B14311/Zenith	19	29.2	24.2	48.0	97.0	1.0	49.0	5.5	2.0	1.0
B17546	B14311/Zenith	146	29.1	20.6	48.0	92.0	1.0	45.5	4.0	1.5	1.0
B17448	B14311/Zenith	48	29.1	20.8	47.0	93.0	1.0	45.5	4.5	1.5	2.0
B17531	B14311/Zenith	131	29.1	21.1	46.0	92.0	1.0	45.0	4.0	2.0	3.0
B17456	B14311/Zenith	56	29.0	20.1	45.0	93.0	1.0	46.5	4.5	2.0	3.0
B17458	B14311/Zenith	58	29.0	23.8	46.0	92.0	1.0	45.0	4.0	2.0	3.0
B17471	B14311/Zenith	71	28.9	22.4	47.0	93.0	1.0	45.0	4.5	2.0	2.0
B17500	B14311/Zenith	100	28.9	23.1	46.0	94.0	1.0	47.0	4.0	2.5	2.0
B17451	B14311/Zenith	51	28.9	21.3	46.0	94.0	1.0	47.5	5.5	1.0	2.0
B17452	B14311/Zenith	52	28.8	22.5	46.0	92.0	1.0	46.5	5.0	1.5	3.0
B17508	B14311/Zenith	108	28.6	23.0	47.0	92.0	1.0	46.5	4.5	2.0	3.0
B17405	B14311/Zenith	5	28.5	24.1	49.0	94.0	1.0	46.0	4.0	2.0	1.0
B17428	B14311/Zenith	28	28.4	20.7	46.0	92.0	1.0	46.0	4.5	3.0	3.0
B17524	B14311/Zenith	124	28.3	20.4	47.0	93.0	1.0	46.0	4.0	2.5	1.0
B17488	B14311/Zenith	88	28.3	21.6	48.0	92.0	1.0	44.5	4.0	2.0	3.0
B17409	B14311/Zenith	9	28.2	20.8	46.0	93.0	1.0	47.5	4.5	3.0	4.0
B17502	B14311/Zenith	102	28.2	24.5	48.0	95.0	1.0	47.5	4.5	3.0	2.0
B17995	Zenith/B09197	153	28.2	22.6	45.0	93.0	1.0	44.5	4.5	1.5	3.0
B17493	B14311/Zenith	93	28.2	22.9	48.0	94.0	1.0	46.0	5.0	2.0	3.0
B17537	B14311/Zenith	137	28.2	24.0	49.0	95.0	1.0	48.0	5.0	1.5	2.0
B17465	B14311/Zenith	65	28.1	21.7	47.0	94.0	1.0	47.0	4.5	1.5	3.0
B17461	B14311/Zenith	61	27.9	22.7	48.0	94.0	1.0	46.5	5.0	3.0	2.0
B17506	B14311/Zenith	106	27.9	19.9	46.0	92.0	1.0	44.5	4.0	3.0	3.0
B17474	B14311/Zenith	74	27.9	23.5	49.0	94.0	1.0	45.5	4.0	2.5	1.0
B17466	B14311/Zenith	66	27.8	24.8	47.0	94.0	1.0	47.5	5.0	2.0	2.0
B17513	B14311/Zenith	113	27.8	23.6	48.0	95.0	1.0	47.5	5.0	2.0	3.0
B17530	B14311/Zenith	130	27.6	20.6	46.0	93.0	1.0	47.0	4.5	2.5	3.0
B17535	B14311/Zenith	135	27.5	24.4	46.0	93.0	1.0	46.5	4.5	1.5	5.0
B17443	B14311/Zenith	43	27.4	21.8	46.0	93.0	1.0	46.5	4.5	3.0	4.0
B17414	B14311/Zenith	14	27.4	21.7	48.0	92.0	1.0	46.0	4.0	3.0	2.0
B17442	B14311/Zenith	42	27.4	19.1	47.0	92.0	1.0	45.0	4.5	3.0	2.0
B17447	B14311/Zenith	47	27.2	21.7	46.0	91.0	1.0	44.5	4.0	2.5	2.0
B17525	B14311/Zenith	125	27.2	19.9	47.0	92.0	1.0	43.0	4.0	1.5	2.0

## EXPERIMENT 7104 PRELIMINARY BLACK YIELD TRIAL (POP.76)

PLANTED: 6/2/17

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)	BRONZE SCORE
B17480	B14311/Zenith	80	27.2	22.3	46.0	92.0	1.0	45.5	4.0	2.0	3.0
B17441	B14311/Zenith	41	27.1	23.2	46.0	94.0	1.0	45.0	4.5	2.0	4.0
B17517	B14311/Zenith	117	27.0	21.0	46.0	92.0	1.0	46.0	4.5	1.5	2.0
B17529	B14311/Zenith	129	27.0	22.0	45.0	91.0	1.0	45.5	4.0	2.0	4.0
B17504	B14311/Zenith	104	27.0	20.4	46.0	92.0	1.0	44.5	4.5	2.0	3.0
B17463	B14311/Zenith	63	27.0	22.1	47.0	93.0	1.0	47.5	5.0	3.0	2.0
B17412	B14311/Zenith	12	26.9	22.7	47.0	94.0	1.0	45.0	4.0	2.5	4.0
B17454	B14311/Zenith	54	26.9	19.8	47.0	93.0	1.0	46.0	4.5	4.0	2.0
B14302	B09197/B11334	46	26.9	20.2	49.0	94.0	1.0	46.5	4.5	3.5	2.0
B17538	B14311/Zenith	138	26.9	21.4	46.0	92.0	1.0	46.5	4.5	2.5	1.0
B17496	B14311/Zenith	96	26.8	19.9	47.0	92.0	1.0	44.5	4.0	1.5	2.0
B17469	B14311/Zenith	69	26.7	22.5	46.0	94.0	1.0	46.5	4.0	2.0	2.0
B17473	B14311/Zenith	73	26.6	22.4	47.0	95.0	1.0	47.5	4.5	1.5	2.0
B10244	B04644/ZORRO, ZENITH	147	26.6	25.1	47.0	95.0	1.0	46.5	4.5	3.0	2.0
B17489	B14311/Zenith	89	26.5	22.9	46.0	93.0	1.0	45.0	4.0	1.0	2.0
B17499	B14311/Zenith	99	26.5	21.3	46.0	91.0	1.0	44.5	4.0	1.0	2.0
B17433	B14311/Zenith	33	26.4	19.9	46.0	93.0	1.0	44.5	4.0	1.5	2.0
B17420	B14311/Zenith	20	26.4	21.7	45.0	92.0	1.0	46.0	4.5	1.0	3.0
B17519	B14311/Zenith	119	26.4	24.1	48.0	95.0	1.0	49.0	5.0	1.5	3.0
B17527	B14311/Zenith	127	26.4	23.1	47.0	94.0	1.0	46.0	4.0	2.5	2.0
B17505	B14311/Zenith	105	26.4	20.7	47.0	95.0	1.0	46.5	4.5	1.0	1.0
B17437	B14311/Zenith	37	26.4	22.2	45.0	93.0	1.0	45.0	4.0	1.5	3.0
B17406	B14311/Zenith	6	26.3	20.8	46.0	93.0	1.0	45.0	4.5	1.5	2.0
B17434	B14311/Zenith	34	26.2	22.2	48.0	93.0	1.0	46.0	4.5	2.5	2.0
B17425	B14311/Zenith	25	26.2	23.2	47.0	95.0	1.0	48.0	4.5	2.0	2.0
B17507	B14311/Zenith	107	26.2	22.9	46.0	94.0	1.0	47.5	5.0	3.5	3.0
B17468	B14311/Zenith	68	26.2	24.8	48.0	95.0	1.0	48.5	5.5	1.5	2.0
B17457	B14311/Zenith	57	26.1	22.2	46.0	93.0	1.0	44.5	4.0	3.0	2.0
B17470	B14311/Zenith	70	26.1	21.1	47.0	94.0	1.0	47.5	5.0	1.5	2.0
B17484	B14311/Zenith	84	26.1	23.5	47.0	94.0	1.0	45.5	4.0	1.0	2.0
B17435	B14311/Zenith	35	26.1	20.8	46.0	94.0	1.0	45.5	4.5	2.0	3.0
B17503	B14311/Zenith	103	26.1	21.5	46.0	92.0	1.0	45.5	4.5	2.5	1.0
B17521	B14311/Zenith	121	26.0	22.7	46.0	94.0	1.0	46.0	4.0	3.0	4.0
B17436	B14311/Zenith	36	26.0	21.0	47.0	93.0	1.0	47.0	4.5	1.0	2.0
B17411	B14311/Zenith	11	25.9	18.3	47.0	93.0	1.0	46.5	5.0	3.0	4.0
B17427	B14311/Zenith	27	25.9	19.7	46.0	93.0	1.0	46.5	4.0	4.5	5.0
B17544	B14311/Zenith	144	25.7	23.4	47.0	92.0	1.0	44.0	3.5	2.5	2.0
B17407	B14311/Zenith	7	25.6	22.6	45.0	92.0	1.0	46.0	4.5	1.5	1.0
B17534	B14311/Zenith	134	25.6	22.6	46.0	93.0	1.0	45.5	4.0	2.5	2.0
B17476	B14311/Zenith	76	25.4	21.5	48.0	93.0	1.0	44.5	4.0	2.0	2.0

## EXPERIMENT 7104 PRELIMINARY BLACK YIELD TRIAL (POP.76)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING	HEIGHT	DES.	CBB	BRONZE
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-5)	SCORE
B17404	B14311/Zenith	4	25.3	22.7	47.0	94.0	1.0	46.5	4.0	1.0	2.0
B17518	B14311/Zenith	118	25.3	19.0	47.0	92.0	1.0	44.5	3.5	4.0	1.0
B17485	B14311/Zenith	85	25.2	22.9	47.0	94.0	1.0	45.5	4.5	1.5	2.0
B04554	B00103*/X00822, ZORRO	149	25.2	23.3	46.0	95.0	1.0	45.0	4.0	2.5	2.0
B17492	B14311/Zenith	92	25.2	19.0	48.0	91.0	1.0	44.0	3.5	2.0	3.0
B17403	B14311/Zenith	3	25.1	22.3	47.0	93.0	1.0	47.0	4.5	3.0	3.0
B17462	B14311/Zenith	62	25.1	24.1	47.0	93.0	1.0	46.5	4.5	2.0	1.0
B17516	B14311/Zenith	116	25.1	19.4	46.0	92.0	1.0	44.0	3.5	1.0	2.0
B17408	B14311/Zenith	8	25.0	24.0	47.0	93.0	1.0	44.5	3.0	3.5	1.0
B17445	B14311/Zenith	45	24.9	20.6	45.0	91.0	1.0	43.5	4.0	2.0	4.0
B17526	B14311/Zenith	126	24.9	24.2	46.0	92.0	1.0	44.5	4.0	3.0	3.0
B17998	Zenith/B09197	156	24.9	21.6	47.0	93.0	1.0	45.0	4.0	1.0	2.0
B17495	B14311/Zenith	95	24.9	22.5	46.0	93.0	1.0	47.5	5.0	1.5	2.0
B17432	B14311/Zenith	32	24.8	20.9	47.0	92.0	1.0	47.0	4.5	1.5	2.0
B17539	B14311/Zenith	139	24.7	19.8	47.0	92.0	1.0	44.0	3.5	2.0	2.0
B17514	B14311/Zenith	114	24.6	21.5	46.0	91.0	1.0	43.0	4.0	1.5	4.0
B17439	B14311/Zenith	39	24.6	21.4	46.0	93.0	1.0	44.0	4.0	1.0	4.0
I03390	ND9902621-2, ECLIPSE	151	24.5	23.4	47.0	93.0	1.0	44.5	4.0	2.5	2.0
B17490	B14311/Zenith	90	24.5	21.0	46.0	93.0	1.0	44.0	4.0	3.0	1.0
B17543	B14311/Zenith	143	24.3	22.9	48.0	94.0	1.0	46.0	4.0	2.5	3.0
B17482	B14311/Zenith	82	24.2	20.1	46.0	93.0	1.0	46.0	4.5	3.5	4.0
B17997	Zenith/B09197	155	24.2	21.0	49.0	91.0	1.0	44.0	3.5	2.0	2.0
B17483	B14311/Zenith	83	24.0	20.0	46.0	93.0	1.0	45.5	4.0	2.5	2.0
B17542	B14311/Zenith	142	23.9	21.3	46.0	94.0	1.0	47.0	4.5	1.5	4.0
B17423	B14311/Zenith	23	23.8	18.2	45.0	91.0	1.0	43.0	3.5	3.0	4.0
B17430	B14311/Zenith	30	23.4	22.2	48.0	95.0	1.0	47.0	4.0	1.5	2.0
B17464	B14311/Zenith	64	23.3	19.2	46.0	92.0	1.0	46.5	4.5	3.5	2.0
B17498	B14311/Zenith	98	23.0	21.1	47.0	95.0	1.0	47.5	4.5	2.0	1.0
B17475	B14311/Zenith	75	21.7	19.8	48.0	92.0	1.0	45.0	3.5	2.5	3.0
B17996	Zenith/B09197	154	21.5	19.6	46.0	92.0	1.0	43.0	3.5	2.0	3.0
B17533	B14311/Zenith	133	21.3	20.4	47.0	92.0	1.0	43.0	3.5	1.5	1.0
B16506	B11363//Alpena*/B09197	152	20.9	23.0	46.0	92.0	1.0	44.0	4.0	3.0	1.0
B17497	B14311/Zenith	97	20.4	22.9	46.0	92.0	1.0	44.5	3.5	2.0	2.0
B17444	B14311/Zenith	44	20.1	20.2	47.0	92.0	1.0	43.5	3.5	3.0	1.0
B17532	B14311/Zenith	132	12.4	23.7	48.0	98.0	1.0	47.5	4.0	2.0	1.0
B17545	B14311/Zenith	145	11.8	21.8	50.0	97.0	1.0	47.0	4.0	3.5	1.0
MEAN(156)			27.3	21.9	46.5	93.0	1.0	46.0	4.4	2.2	2.1
LSD(.05)			3.2	1.3	1.4	1.7	-	1.9	1.0	1.1	1.0
CV%			7.2	3.6	1.8	1.1	-	2.4	13.5	30.3	28.1

## EXPERIMENT 7105 PRELIMINARY BLACK YIELD TRIAL (POP.86)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	BRONZE SCORE
			/ACRE	WT. (g)						
B16504	Zenith//Alpena*/B09197	43	36.0	23.8	47.0	95.0	1.0	47.5	5.0	2.0
B17691	B14311/B12724	91	35.3	23.6	46.0	95.0	1.0	48.5	5.5	1.0
B17699	B14311/B12724	99	35.0	22.4	46.0	94.0	1.0	48.0	5.0	2.0
B17700	B14311/B12724	100	35.0	23.6	46.0	94.0	1.0	49.5	5.0	1.0
B17625	B14311/B12724	25	34.6	23.5	47.0	95.0	1.0	48.0	5.0	2.0
B17615	B14311/B12724	15	34.2	23.0	46.0	93.0	1.0	47.5	5.0	1.0
B17658	B14311/B12724	58	34.0	21.7	47.0	93.0	1.0	48.0	5.0	1.0
B17607	B14311/B12724	7	33.9	22.3	45.0	94.0	1.0	48.5	5.0	2.0
B17701	B14311/B12724	101	33.5	23.3	46.0	93.0	1.0	48.0	5.0	2.0
B17696	B14311/B12724	96	33.3	22.2	46.0	96.0	1.0	48.0	5.0	1.0
B17641	B14311/B12724	41	33.2	21.2	48.0	94.0	1.0	46.5	5.0	1.0
B17730	B14311/B12724	130	33.1	22.7	47.0	93.0	1.0	48.5	5.0	2.0
B17732	B14311/B12724	132	33.1	23.6	45.0	94.0	1.0	48.0	5.0	1.0
B12724	B09184/B09135	151	32.9	23.1	47.0	93.0	1.0	47.0	5.0	1.0
B17693	B14311/B12724	93	32.9	22.0	45.0	93.0	1.0	47.5	6.0	1.0
B17671	B14311/B12724	71	32.7	21.7	46.0	94.0	1.0	46.5	4.5	2.0
B17655	B14311/B12724	55	32.7	22.8	46.0	93.0	1.0	47.0	4.0	2.0
B17697	B14311/B12724	97	32.6	21.2	47.0	93.0	1.0	46.0	4.5	1.0
B17601	B14311/B12724	1	32.6	22.2	46.0	93.0	1.0	47.5	4.5	2.0
B17706	B14311/B12724	106	32.5	21.1	47.0	94.0	1.0	48.0	5.0	2.0
B17645	B14311/B12724	45	32.4	22.0	47.0	92.0	1.0	46.5	4.5	2.0
B17640	B14311/B12724	40	32.3	23.7	45.0	94.0	1.0	48.0	5.0	1.0
B17685	B14311/B12724	85	32.3	22.3	46.0	94.0	1.0	47.0	4.5	2.0
B17612	B14311/B12724	12	32.2	24.2	46.0	92.0	1.0	46.0	4.5	2.0
B17749	B14311/B12724	149	32.1	24.2	46.0	95.0	1.0	48.0	5.0	1.0
B17674	B14311/B12724	74	32.0	24.8	46.0	93.0	1.0	46.0	4.5	1.0
B17739	B14311/B12724	139	32.0	23.1	46.0	93.0	1.0	47.5	4.5	2.0
B17692	B14311/B12724	92	31.9	21.8	46.0	93.0	1.0	47.0	4.5	2.0
B17659	B14311/B12724	59	31.9	24.4	46.0	94.0	1.0	49.0	5.0	1.0
B17652	B14311/B12724	52	31.8	23.7	48.0	96.0	1.0	48.5	5.5	1.0
B17729	B14311/B12724	129	31.8	22.7	46.0	94.0	1.0	47.5	5.0	2.0
B14302	B09197/B11334	3	31.8	21.8	46.0	93.0	1.0	46.0	5.0	1.0
B17675	B14311/B12724	75	31.8	23.4	45.0	95.0	1.0	48.0	5.0	1.0
B17681	B14311/B12724	81	31.8	21.5	47.0	94.0	1.0	46.5	4.5	1.0
B17602	B14311/B12724	2	31.8	22.3	46.0	95.0	1.0	49.0	5.5	3.0
B17743	B14311/B12724	143	31.7	23.9	45.0	96.0	1.0	48.5	5.0	1.0
B17624	B14311/B12724	24	31.7	21.2	47.0	92.0	1.0	46.0	4.5	2.0
B17703	B14311/B12724	103	31.7	23.3	45.0	94.0	1.0	46.5	4.5	2.0
B17604	B14311/B12724	4	31.7	20.5	47.0	92.0	1.0	47.5	5.0	1.0
B17714	B14311/B12724	114	31.7	21.2	45.0	94.0	1.0	47.5	5.0	2.0

## EXPERIMENT 7105 PRELIMINARY BLACK YIELD TRIAL (POP.86)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	BRONZE SCORE
			/ACRE	WT. (g)						
B17745	B14311/B12724	145	31.5	23.1	45.0	94.0	1.0	46.5	4.5	1.0
B17740	B14311/B12724	140	31.4	22.3	46.0	95.0	1.0	48.0	4.5	2.0
B10244	B04644/ZORRO, ZENITH	152	31.4	24.9	46.0	95.0	1.0	46.5	4.5	2.0
B17642	B14311/B12724	42	31.3	21.5	47.0	93.0	1.0	46.0	4.0	2.0
B17738	B14311/B12724	138	31.3	19.7	46.0	92.0	1.0	46.5	4.5	1.0
B17689	B14311/B12724	89	31.3	22.4	45.0	93.0	1.0	47.5	5.0	1.0
B17707	B14311/B12724	107	31.3	21.8	46.0	93.0	1.0	46.5	4.0	2.0
B17619	B14311/B12724	19	31.3	22.6	46.0	93.0	1.0	47.5	5.0	2.0
B17635	B14311/B12724	35	31.2	22.7	47.0	93.0	1.0	48.5	5.5	3.0
B15430	Zenith/B12721	128	31.2	25.8	46.0	92.0	1.0	46.0	5.0	2.0
B17727	B14311/B12724	127	31.1	21.9	46.0	92.0	1.0	46.5	4.5	1.0
B17736	B14311/B12724	136	31.0	23.8	45.0	92.0	1.0	46.0	4.5	2.0
B17667	B14311/B12724	67	31.0	21.4	46.0	92.0	1.0	45.0	4.5	2.0
B16507	B12720/Zenith	155	30.9	26.7	45.0	94.0	1.0	47.5	4.5	1.0
B17688	B14311/B12724	88	30.9	22.3	46.0	94.0	1.0	46.0	4.0	2.0
B17653	B14311/B12724	53	30.8	21.9	46.0	95.0	1.0	47.5	5.0	1.0
B17680	B14311/B12724	80	30.8	22.6	45.0	95.0	1.0	47.0	4.5	2.0
B17713	B14311/B12724	113	30.8	23.1	47.0	94.0	1.0	48.0	4.5	2.0
B17712	B14311/B12724	112	30.6	21.0	48.0	94.0	1.0	48.0	4.5	1.0
B17719	B14311/B12724	119	30.6	22.0	45.0	93.0	1.0	48.0	5.0	1.0
B17638	B14311/B12724	38	30.6	21.7	46.0	92.0	1.0	45.5	4.5	2.0
B17654	B14311/B12724	54	30.5	21.0	46.0	94.0	1.0	47.5	5.0	1.0
B17644	B14311/B12724	44	30.5	22.2	46.0	95.0	1.0	47.5	5.0	1.0
B17709	B14311/B12724	109	30.4	21.9	47.0	93.0	1.0	47.5	5.0	1.0
B17724	B14311/B12724	124	30.4	24.2	47.0	95.0	1.0	46.5	4.5	1.0
B17683	B14311/B12724	83	30.4	22.4	47.0	92.0	1.0	46.5	4.5	1.0
B17726	B14311/B12724	126	30.4	23.0	46.0	92.0	1.0	46.5	4.5	1.0
B17628	B14311/B12724	28	30.3	22.6	47.0	92.0	1.0	45.5	4.0	3.0
B17695	B14311/B12724	95	30.3	24.4	46.0	92.0	1.0	46.5	4.5	1.0
B17734	B14311/B12724	134	30.3	22.8	46.0	95.0	1.0	48.5	5.0	2.0
B17672	B14311/B12724	72	30.2	22.4	47.0	92.0	1.0	46.5	4.5	1.0
B17657	B14311/B12724	57	30.1	21.3	46.0	93.0	1.0	46.0	4.0	2.0
B17704	B14311/B12724	104	30.1	21.6	47.0	93.0	1.0	47.5	5.0	1.0
B17694	B14311/B12724	94	30.0	23.2	45.0	92.0	1.0	45.5	4.5	3.0
B17684	B14311/B12724	84	30.0	21.1	46.0	93.0	1.0	45.5	4.0	1.0
B17687	B14311/B12724	87	30.0	22.6	45.0	94.0	1.0	47.5	5.5	3.0
B17668	B14311/B12724	68	29.9	21.4	46.0	93.0	1.0	45.5	4.0	1.0
B17629	B14311/B12724	29	29.9	23.2	47.0	93.0	1.0	46.5	4.5	3.0
B17673	B14311/B12724	73	29.9	22.3	46.0	92.0	1.0	47.5	5.0	2.0
B17631	B14311/B12724	31	29.9	22.2	46.0	93.0	1.0	47.0	5.0	1.0

## EXPERIMENT 7105 PRELIMINARY BLACK YIELD TRIAL (POP.86)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	BRONZE SCORE
			/ACRE	WT. (g)						
B17618	B14311/B12724	18	29.9	26.2	47.0	93.0	1.0	46.0	4.0	1.0
B17679	B14311/B12724	79	29.9	21.6	47.0	92.0	1.0	44.0	4.0	1.0
B17720	B14311/B12724	120	29.9	20.8	46.0	93.0	1.0	46.5	5.0	3.0
B14311	B11338/B10241	150	29.9	21.8	45.0	93.0	1.0	47.0	5.5	3.0
B17670	B14311/B12724	70	29.8	22.5	47.0	95.0	1.0	48.0	5.0	2.0
B17606	B14311/B12724	6	29.8	21.2	47.0	96.0	1.0	46.0	4.5	2.0
B17646	B14311/B12724	46	29.7	25.9	47.0	93.0	1.0	47.5	5.0	2.0
B17632	B14311/B12724	32	29.7	21.6	44.0	94.0	1.0	47.5	5.0	1.0
B17741	B14311/B12724	141	29.7	23.2	45.0	94.0	1.0	47.5	4.5	1.0
B17614	B14311/B12724	14	29.7	22.8	45.0	92.0	1.0	47.5	4.5	1.0
B17735	B14311/B12724	135	29.7	23.4	46.0	93.0	1.0	46.5	4.5	2.0
B16501	Zenith/B10215	156	29.6	24.5	48.0	94.0	1.0	45.0	4.0	2.0
B17705	B14311/B12724	105	29.6	21.2	47.0	94.0	1.0	48.0	5.0	1.0
B17717	B14311/B12724	117	29.6	21.8	46.0	92.0	1.0	47.0	5.0	2.0
B17647	B14311/B12724	47	29.5	24.1	47.0	96.0	1.0	48.0	4.5	1.0
B17702	B14311/B12724	102	29.5	21.4	46.0	91.0	1.0	45.5	4.5	1.0
B17715	B14311/B12724	115	29.4	23.0	45.0	93.0	1.0	46.5	4.0	2.0
B17650	B14311/B12724	50	29.4	20.8	47.0	95.0	1.0	47.5	4.5	2.0
B17690	B14311/B12724	90	29.3	21.5	45.0	93.0	1.0	45.0	4.0	2.0
B17746	B14311/B12724	146	29.2	22.9	47.0	95.0	1.0	47.5	4.5	2.0
B17610	B14311/B12724	10	29.2	21.5	44.0	94.0	1.0	48.0	5.5	1.0
B17616	B14311/B12724	16	29.2	22.3	45.0	92.0	1.0	44.5	4.0	3.0
B17651	B14311/B12724	51	29.2	21.6	46.0	94.0	1.0	48.0	5.0	1.0
B17733	B14311/B12724	133	29.1	24.4	46.0	92.0	1.0	46.0	4.5	2.0
B17656	B14311/B12724	56	29.0	20.9	46.0	94.0	1.0	46.5	4.5	1.0
B17660	B14311/B12724	60	29.0	21.6	46.0	94.0	1.0	46.5	5.0	1.0
B17633	B14311/B12724	33	28.9	22.9	45.0	93.0	1.0	46.0	4.0	1.0
B17663	B14311/B12724	63	28.8	23.4	45.0	93.0	1.0	47.0	5.0	1.0
B17725	B14311/B12724	125	28.8	21.2	47.0	92.0	1.0	47.0	4.5	2.0
B17620	B14311/B12724	20	28.7	21.6	46.0	92.0	1.0	45.0	4.0	2.0
B17630	B14311/B12724	30	28.7	20.0	49.0	91.0	1.0	46.0	4.5	1.0
B17710	B14311/B12724	110	28.7	22.3	45.0	92.0	1.0	45.0	4.0	1.0
B17661	B14311/B12724	61	28.7	22.8	47.0	95.0	1.0	47.5	4.5	2.0
B17669	B14311/B12724	69	28.6	24.0	46.0	94.0	1.5	47.5	5.0	3.0
B17677	B14311/B12724	77	28.4	20.4	45.0	93.0	1.0	45.0	4.0	1.0
B17662	B14311/B12724	62	28.4	22.0	47.0	92.0	1.0	45.5	4.0	1.0
B17744	B14311/B12724	144	28.3	22.9	46.0	92.0	1.0	45.5	4.0	1.0
B17639	B14311/B12724	39	28.1	20.3	45.0	94.0	1.0	46.0	5.0	2.0
B17731	B14311/B12724	131	28.0	21.7	46.0	93.0	1.0	45.5	4.0	2.0
B17648	B14311/B12724	48	27.9	22.6	44.0	93.0	1.0	45.0	4.5	2.0

## EXPERIMENT 7105 PRELIMINARY BLACK YIELD TRIAL (POP.86)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	BRONZE SCORE
			/ACRE	WT. (g)						
B04554	B00103*/X00822, <b>ZORRO</b>	21	27.8	23.5	47.0	93.0	1.0	46.0	4.0	2.0
B17742	B14311/B12724	142	27.8	22.0	45.0	93.0	1.0	47.0	4.5	1.0
B17678	B14311/B12724	78	27.5	21.0	46.0	95.0	1.0	46.0	4.0	1.0
B17627	B14311/B12724	27	27.5	22.0	47.0	93.0	1.0	46.5	4.5	2.0
B16506	B11363//Alpena*/B09197	154	27.3	24.0	44.0	93.0	1.0	46.0	3.5	2.0
B17722	B14311/B12724	122	27.2	21.7	46.0	93.0	1.0	46.0	4.5	1.0
B17664	B14311/B12724	64	27.2	21.4	45.0	93.0	1.0	47.0	4.5	1.0
B17611	B14311/B12724	11	27.1	20.8	46.0	94.0	1.0	46.5	5.0	1.0
B17637	B14311/B12724	37	27.0	21.3	46.0	92.0	1.0	44.5	3.5	2.0
B17718	B14311/B12724	118	26.9	22.2	46.0	94.0	1.0	46.0	5.0	3.0
B17634	B14311/B12724	34	26.8	21.6	45.0	93.0	1.0	46.0	4.0	2.0
B17682	B14311/B12724	82	26.6	21.2	47.0	93.0	1.0	46.0	4.0	1.0
B17686	B14311/B12724	86	26.6	23.0	45.0	93.0	1.0	46.0	4.0	1.0
I03390	ND9902621-2, <b>ECLIPSE</b>	153	26.5	23.2	46.0	92.0	1.0	45.0	4.0	2.0
B17708	B14311/B12724	108	26.4	22.0	46.0	92.0	1.0	45.0	4.0	2.0
B17623	B14311/B12724	23	26.2	22.8	46.0	93.0	1.0	46.0	4.5	1.0
B17748	B14311/B12724	148	26.0	20.9	47.0	92.0	1.0	44.5	4.0	2.0
B17605	B14311/B12724	5	25.9	22.9	45.0	94.0	1.0	46.5	4.5	2.0
B17711	B14311/B12724	111	25.8	21.5	47.0	92.0	1.0	44.5	4.0	2.0
B17716	B14311/B12724	116	25.7	23.6	48.0	95.0	1.0	45.5	4.5	1.0
B17723	B14311/B12724	123	25.5	22.6	45.0	93.0	1.0	45.5	4.0	1.0
B17622	B14311/B12724	22	25.4	22.8	46.0	92.0	1.0	45.0	4.0	3.0
B17665	B14311/B12724	65	25.2	21.8	45.0	93.0	1.0	47.0	4.5	1.0
B17626	B14311/B12724	26	25.1	23.6	46.0	93.0	1.0	45.0	4.0	1.0
B17698	B14311/B12724	98	25.1	20.9	47.0	92.0	1.0	44.0	3.5	1.0
B17721	B14311/B12724	121	24.9	23.5	45.0	93.0	1.0	47.0	4.5	2.0
B17636	B14311/B12724	36	24.7	21.4	46.0	93.0	1.0	47.5	5.0	1.0
B17608	B14311/B12724	8	24.5	21.1	46.0	91.0	1.0	46.0	4.5	1.0
B17747	B14311/B12724	147	24.1	20.2	47.0	92.0	1.0	45.5	4.0	2.0
B17609	B14311/B12724	9	24.0	21.8	46.0	93.0	1.0	45.0	4.0	2.0
B17666	B14311/B12724	66	24.0	20.7	46.0	92.0	1.0	45.5	4.0	1.0
B17613	B14311/B12724	13	23.9	20.8	46.0	92.0	1.0	46.0	4.0	2.0
B17737	B14311/B12724	137	23.2	22.6	45.0	94.0	1.0	45.5	4.0	1.0
B17649	B14311/B12724	49	22.7	23.2	46.0	93.0	1.0	46.0	4.5	2.0
B17617	B14311/B12724	17	22.4	23.0	45.0	94.0	1.0	46.0	4.0	1.0
B17676	B14311/B12724	76	20.4	21.0	45.0	93.0	1.0	44.0	3.5	1.0
MEAN(156)			29.6	22.4	45.8	93.0	1.0	46.6	4.6	1.4
LSD(.05)			3.0	1.4	1.6	1.5	0.1	1.6	0.9	0.8
CV%			6.2	3.9	2.1	1.0	5.6	2.1	12.1	36.5



## EXPERIMENT 7106 PRELIMINARY BLACK YIELD TRIAL (POP. 11)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)	BRONZE (1-5)
			/ACRE	WT. (g)							
B17875	B14302/Zenith	62	38.5	19.6	47.0	91.0	1.0	51.5	5.5	1.5	3.0
B17922	B14302/Zenith	100	36.8	21.1	49.0	93.0	1.0	51.0	5.0	2.0	2.0
B17879	B14302/Zenith	66	36.4	19.7	47.0	90.0	1.0	47.0	5.0	2.0	2.0
B17829	B14302/Zenith	24	35.6	22.5	46.0	91.0	1.0	47.0	5.5	2.0	2.0
B17880	B14302/Zenith	67	35.5	22.9	48.0	91.0	1.0	26.5	5.0	1.5	1.0
B17804	B14302/Zenith	4	35.3	20.6	47.0	90.0	1.0	49.5	5.0	2.0	3.0
B17850	B14302/Zenith	39	34.6	21.9	47.0	92.0	1.0	49.5	5.0	2.5	2.0
B17855	B14302/Zenith	43	34.3	20.9	48.0	90.0	1.0	48.0	4.5	2.0	2.0
B17825	B14302/Zenith	21	34.2	20.4	47.0	90.0	1.0	48.0	5.0	2.5	3.0
B17920	B14302/Zenith	98	34.1	20.8	46.0	90.0	1.0	50.0	5.0	1.5	1.0
B17813	B14302/Zenith	9	34.0	21.0	45.0	90.0	1.0	49.0	4.0	2.0	2.0
B17822	B14302/Zenith	18	33.9	21.7	46.0	92.0	1.0	50.5	6.5	1.0	3.0
B17820	B14302/Zenith	16	33.8	21.0	47.0	90.0	1.0	48.0	5.5	2.5	1.0
B17870	B14302/Zenith	57	33.7	21.0	46.0	91.0	1.0	49.0	5.0	2.0	2.0
B17844	B14302/Zenith	36	33.7	23.1	46.0	92.0	1.0	51.0	5.0	2.0	2.0
B17868	B14302/Zenith	55	33.7	19.2	46.0	91.0	1.0	50.0	5.0	1.5	3.0
B17863	B14302/Zenith	50	33.6	21.1	48.0	90.0	1.0	45.5	4.0	2.0	2.0
B17859	B14302/Zenith	46	33.4	20.1	47.0	90.0	1.0	47.0	4.5	2.0	1.0
B17841	B14302/Zenith	33	33.4	21.1	47.0	90.0	1.0	47.5	5.0	2.5	1.0
B17803	B14302/Zenith	3	33.3	21.3	47.0	92.0	1.0	50.0	5.0	1.5	2.0
B17828	B14302/Zenith	23	33.3	19.7	46.0	91.0	1.0	47.5	5.0	1.5	3.0
B17871	B14302/Zenith	58	33.3	20.9	47.0	92.0	1.0	50.0	5.5	2.0	1.0
B17898	B14302/Zenith	83	33.3	21.2	46.0	45.0	1.0	47.5	4.5	1.5	3.0
B17818	B14302/Zenith	14	33.1	18.9	48.0	90.0	1.0	50.0	5.0	2.0	1.0
B17823	B14302/Zenith	19	32.9	20.8	47.0	91.0	1.0	48.5	5.0	1.5	3.0
B17887	B14302/Zenith	72	32.9	22.4	48.0	92.0	1.0	49.5	5.0	1.5	2.0
B17918	B14302/Zenith	96	32.9	20.5	46.0	91.0	1.0	49.0	6.0	1.5	3.0
B17835	B14302/Zenith	28	32.7	20.9	48.0	93.0	1.0	49.5	5.5	2.0	2.0
B17861	B14302/Zenith	48	32.7	21.8	47.0	92.0	1.0	50.5	5.5	2.5	2.0
B17860	B14302/Zenith	47	32.6	21.2	46.0	90.0	1.0	49.5	5.5	2.5	1.0
B17921	B14302/Zenith	99	32.6	18.6	47.0	90.0	1.0	46.0	4.5	1.5	1.0
B17894	B14302/Zenith	79	32.5	20.4	48.0	92.0	1.0	50.0	5.5	2.5	2.0
B17923	B14302/Zenith	101	32.5	19.5	47.0	90.0	1.0	45.5	5.0	2.0	3.0
B17865	B14302/Zenith	52	32.4	19.1	47.0	90.0	1.0	47.0	4.5	2.0	1.0
B17832	B14302/Zenith	26	32.3	21.0	48.0	93.0	1.0	50.0	5.0	2.5	1.0
B17866	B14302/Zenith	53	32.0	22.9	48.0	91.0	1.0	48.0	5.5	1.5	2.0
B17892	B14302/Zenith	77	32.0	21.6	47.0	92.0	1.0	50.0	5.5	1.5	2.0
B17897	B14302/Zenith	82	32.0	20.1	47.0	91.0	1.0	50.0	5.5	1.5	2.0
B17815	B14302/Zenith	11	32.0	18.9	47.0	90.0	1.0	48.5	5.5	2.0	2.0
B17839	B14302/Zenith	31	31.9	20.5	46.0	90.0	1.0	48.5	5.0	1.0	1.0

## EXPERIMENT 7106 PRELIMINARY BLACK YIELD TRIAL (POP. 11)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)	BRONZE (1-5)
			/ACRE	WT. (g)							
B17838	B14302/Zenith	30	31.9	21.8	47.0	91.0	1.0	49.5	4.5	1.5	2.0
B17906	B14302/Zenith	87	31.8	21.6	47.0	90.0	1.0	49.5	4.0	2.0	3.0
B17840	B14302/Zenith	32	31.8	20.1	47.0	90.0	1.0	45.5	4.5	2.0	2.0
B17907	B14302/Zenith	88	31.8	21.8	47.0	92.0	1.0	49.0	5.0	2.5	2.0
B17862	B14302/Zenith	49	31.4	20.2	45.0	91.0	1.0	48.0	5.0	1.5	2.0
B17926	B14302/Zenith	104	31.0	19.9	46.0	90.0	1.0	50.0	5.5	1.5	3.0
B17851	B14302/Zenith	40	30.8	19.2	48.0	90.0	1.0	46.5	4.0	2.0	1.0
B17821	B14302/Zenith	17	30.6	19.5	46.0	90.0	1.0	47.0	5.0	1.0	3.0
B17899	B14302/Zenith	84	30.6	24.2	47.0	92.0	1.0	50.5	5.5	2.0	2.0
B17801	B14302/Zenith	1	30.5	20.7	47.0	93.0	1.0	49.0	4.5	2.0	1.0
B17893	B14302/Zenith	78	30.4	21.1	48.0	93.0	1.0	51.0	5.5	1.0	1.0
B17853	B14302/Zenith	41	30.4	22.7	47.0	91.0	1.0	48.0	4.5	2.0	2.0
B17872	B14302/Zenith	59	30.2	20.3	47.0	89.0	1.0	46.5	5.0	1.0	1.0
B17856	B14302/Zenith	44	30.1	20.3	47.0	91.0	1.0	50.5	4.5	2.5	2.0
B17819	B14302/Zenith	15	30.0	21.6	47.0	91.0	1.0	48.0	5.0	2.5	2.0
B17913	B14302/Zenith	91	29.9	21.4	47.0	92.0	1.0	49.5	6.0	1.5	2.0
B17805	B14302/Zenith	5	29.8	22.1	47.0	92.0	1.0	47.5	5.0	2.0	2.0
B17895	B14302/Zenith	80	29.7	20.2	45.0	93.0	1.0	47.5	4.5	1.5	2.0
B17864	B14302/Zenith	51	29.7	19.6	46.0	91.0	1.0	49.0	4.5	2.0	2.0
B17812	B14302/Zenith	8	29.7	21.3	48.0	93.0	1.0	51.0	5.5	2.0	2.0
B17901	B14302/Zenith	86	29.7	20.6	48.0	90.0	1.0	47.0	4.0	3.0	1.0
B17830	B14302/Zenith	25	29.6	20.7	47.0	90.0	1.0	45.5	4.0	2.0	1.0
B17890	B14302/Zenith	75	29.5	21.4	48.0	93.0	1.0	50.0	6.0	2.0	3.0
B17807	B14302/Zenith	6	29.5	19.3	46.0	90.0	1.0	45.5	4.5	2.5	2.0
B17925	B14302/Zenith	103	29.5	21.0	48.0	92.0	1.0	49.5	5.5	2.5	2.0
B17854	B14302/Zenith	42	29.5	20.0	47.0	92.0	1.0	50.0	5.0	2.0	2.0
B17836	B14302/Zenith	29	29.4	19.5	49.0	91.0	1.0	48.0	4.5	3.5	1.0
B17883	B14302/Zenith	70	29.2	18.7	46.0	90.0	1.0	46.0	4.5	1.5	2.0
B17876	B14302/Zenith	63	29.1	21.5	47.0	90.0	1.0	47.0	4.0	2.0	2.0
B17911	B14302/Zenith	90	29.1	18.8	46.0	90.0	1.0	47.0	4.5	2.5	3.0
B17909	B14302/Zenith	89	29.0	21.9	48.0	91.0	1.0	48.5	4.5	2.5	1.0
B17817	B14302/Zenith	13	29.0	18.7	47.0	90.0	1.0	48.5	5.5	2.5	1.0
B17814	B14302/Zenith	10	28.9	21.0	47.0	90.0	1.0	46.5	5.0	2.0	2.0
B17846	B14302/Zenith	38	28.9	20.1	47.0	94.0	1.0	51.5	5.0	1.5	1.0
B17881	B14302/Zenith	68	28.8	22.7	47.0	92.0	1.0	48.5	4.5	1.0	1.0
B17891	B14302/Zenith	76	28.7	21.8	48.0	93.0	1.0	48.0	4.5	2.0	3.0
B17900	B14302/Zenith	85	28.4	20.5	46.0	91.0	1.0	47.0	5.0	2.0	1.0
B17919	B14302/Zenith	97	28.4	18.8	45.0	90.0	1.0	44.0	4.0	1.5	3.0
B17842	B14302/Zenith	34	28.3	19.9	46.0	91.0	1.0	48.0	5.0	2.5	1.0
B17843	B14302/Zenith	35	28.2	19.9	47.0	90.0	1.0	46.0	4.5	1.0	3.0

## EXPERIMENT 7106 PRELIMINARY BLACK YIELD TRIAL (POP. 11)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)	BRONZE (1-5)
			/ACRE	WT. (g)							
B17869	B14302/Zenith	56	28.2	21.1	47.0	93.0	1.0	48.0	5.0	2.5	1.0
B17889	B14302/Zenith	74	27.9	18.6	48.0	91.0	1.0	48.0	5.0	1.5	2.0
B17833	B14302/Zenith	27	27.8	20.4	47.0	91.0	1.0	50.0	4.5	3.0	2.0
B10244	B04644/ZORRO, <b>ZENITH</b>	106	27.8	22.9	47.0	93.0	1.0	49.5	5.0	1.5	1.0
B14302	B09197/B11334	107	27.5	19.3	47.0	90.0	1.0	47.0	5.0	2.0	1.0
B17877	B14302/Zenith	64	27.5	22.0	47.0	92.0	1.0	46.5	4.0	2.5	1.0
B17873	B14302/Zenith	60	27.4	20.0	46.0	90.0	1.0	45.0	4.5	1.0	2.0
B17915	B14302/Zenith	93	27.3	20.0	47.0	91.0	1.0	49.0	5.0	2.0	2.0
B17845	B14302/Zenith	37	27.3	20.3	46.0	89.0	1.0	47.0	4.5	1.0	2.0
B17816	B14302/Zenith	12	27.2	22.3	47.0	92.0	1.0	49.0	5.0	1.5	3.0
B17914	B14302/Zenith	92	27.2	20.4	48.0	92.0	1.0	48.0	4.5	1.5	1.0
B17924	B14302/Zenith	102	27.1	22.5	47.0	91.0	1.0	46.0	5.0	2.0	1.0
B17857	B14302/Zenith	45	26.9	20.0	47.0	91.0	1.0	45.5	4.5	2.0	2.0
B17917	B14302/Zenith	95	26.8	21.1	48.0	92.0	1.0	47.5	4.5	3.0	2.0
B17882	B14302/Zenith	69	26.8	19.8	47.0	90.0	1.0	46.5	4.5	2.5	2.0
B17874	B14302/Zenith	61	25.8	18.5	45.0	89.0	1.0	45.5	4.0	2.5	1.0
B04554	B00103*/X00822, <b>ZORRO</b>	105	25.7	22.4	47.0	92.0	1.0	48.5	4.5	2.0	2.0
B17827	B14302/Zenith	22	25.2	19.8	48.0	90.0	1.0	45.5	4.0	2.0	1.0
B17884	B14302/Zenith	71	25.1	20.0	47.0	91.0	1.0	46.0	4.5	2.0	3.0
B17867	B14302/Zenith	54	25.1	21.8	48.0	93.0	1.0	50.5	5.0	1.5	2.0
B17802	B14302/Zenith	2	25.0	20.4	47.0	92.0	1.0	49.5	4.5	2.0	2.0
B17824	B14302/Zenith	20	24.9	18.3	48.0	92.0	1.0	50.5	5.0	2.0	1.0
B17878	B14302/Zenith	65	24.7	19.5	47.0	92.0	1.0	49.0	4.5	2.0	2.0
B17888	B14302/Zenith	73	24.6	21.3	47.0	92.0	1.0	48.0	5.5	2.0	1.0
B17916	B14302/Zenith	94	23.4	19.9	47.0	91.0	1.0	47.0	4.5	2.0	1.0
I03390	ND9902621-2, <b>ECLIPSE</b>	108	22.2	22.9	47.0	90.0	1.0	48.0	4.0	2.5	2.0
B17896	B14302/Zenith	81	22.2	22.6	48.0	95.0	1.0	51.5	4.5	2.0	1.0
B17809	B14302/Zenith	7	21.8	21.0	47.0	89.0	1.0	44.0	4.0	2.0	2.0
MEAN(108)			30.2	20.7	46.7	90.4	1.0	48.1	4.9	1.9	1.6
LSD(.05)			3.1	1.3	1.4	10.1	-	6.6	1.0	1.0	0.8
CV%			6.2	3.9	1.9	6.7	-	8.3	12.8	31.9	30.0

## EXPERIMENT 7107 PRELIMINARY BLACK YIELD TRIAL (POP. 31 &amp; 45)

PLANTED: 6/2/17

NAME	PEDIGREE	ENTRY	YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
			/ACRE	WT. (g)						
B17003	B14303/Zenith	42	33.0	21.6	48.0	90.0	1.0	46.5	5.5	1.5
B17076	B14303/Zenith	60	32.5	20.5	48.0	93.0	1.0	49.5	4.5	3.0
B17096	B14303/Zenith	64	30.9	20.5	48.0	91.0	1.0	47.0	5.0	1.5
B17023	B14303/Zenith	48	30.8	22.0	49.0	94.0	1.0	47.0	5.0	2.0
B17959	B14302/B12724	9	30.5	21.8	48.0	91.0	1.0	47.5	6.0	2.5
B10244	B04644/ZORRO, ZENITH	69	30.4	25.3	48.0	94.0	1.5	48.5	5.5	2.5
B17042	B14303/Zenith	52	30.2	23.0	48.0	93.0	1.0	46.0	4.5	2.0
B17052	B14303/Zenith	55	30.0	21.0	48.0	92.0	1.0	46.0	5.5	2.0
B17083	B14303/Zenith	62	29.2	22.2	48.0	91.0	1.0	46.0	4.5	2.0
B17978	B14302/B12724	28	29.1	19.7	47.0	89.0	1.0	46.5	5.5	2.0
B17130	B14303/Zenith	65	29.0	20.0	47.0	91.0	1.0	46.0	5.0	1.5
B17002	B14303/Zenith	41	28.9	21.9	47.0	90.0	1.0	43.5	5.0	1.5
B17080	B14303/Zenith	61	28.5	19.6	47.0	92.0	1.0	45.5	5.0	2.0
B17062	B14303/Zenith	59	28.5	22.0	48.0	92.0	1.0	46.5	5.0	3.0
B17009	B14303/Zenith	43	28.1	20.8	48.0	92.0	1.0	46.0	5.0	2.5
B17043	B14303/Zenith	53	28.0	20.6	48.0	91.0	1.0	46.0	4.5	2.5
B17142	B14303/Zenith	68	27.8	20.4	47.0	92.0	1.0	47.5	5.5	2.0
B17029	B14303/Zenith	50	27.4	22.3	48.0	91.0	1.0	45.0	4.5	2.5
B17976	B14302/B12724	26	27.0	21.7	49.0	92.0	1.0	45.5	5.0	1.5
B17970	B14302/B12724	20	27.0	23.2	48.0	90.0	1.0	48.0	6.0	2.0
B17037	B14303/Zenith	51	26.3	20.8	48.0	92.0	1.0	45.5	5.0	1.0
B17977	B14302/B12724	27	26.2	22.2	48.0	91.0	1.0	46.0	5.0	1.5
B17969	B14302/B12724	19	25.9	22.4	47.0	91.0	1.0	46.0	5.5	2.0
B17020	B14303/Zenith	46	25.9	19.6	47.0	90.0	1.0	46.0	5.0	2.0
B17058	B14303/Zenith	58	25.7	20.3	48.0	91.0	1.0	46.0	4.5	2.0
B17021	B14303/Zenith	47	25.7	20.4	47.0	90.0	1.0	46.0	5.0	2.0
B17054	B14303/Zenith	56	25.6	20.3	47.0	91.0	1.0	46.0	4.5	2.5
B17014	B14303/Zenith	44	25.4	21.6	48.0	92.0	1.0	46.0	5.0	2.0
B17988	B09197/B11334, B14302-02	38	25.2	20.9	48.0	92.0	1.0	45.5	5.5	2.0
B17027	B14303/Zenith	49	25.0	19.6	48.0	91.0	1.0	46.5	5.0	1.5
B17967	B14302/B12724	17	24.6	21.2	48.0	89.0	1.0	44.5	4.5	2.0
B17972	B14302/B12724	22	24.4	22.0	47.0	91.0	1.0	45.0	4.5	1.0
B17965	B14302/B12724	15	24.4	22.8	48.0	89.0	1.0	44.5	4.5	3.0
B17953	B14302/B12724	3	24.0	19.6	47.0	89.0	1.0	45.0	4.5	1.5
B17018	B14303/Zenith	45	23.9	20.1	48.0	89.0	1.0	45.0	4.5	1.5
B17135	B14303/Zenith	66	23.8	20.5	47.0	93.0	1.0	46.0	5.0	1.5
B17983	B14302/B12724	33	23.8	19.7	48.0	91.0	1.0	45.0	5.0	2.0
B17047	B14303/Zenith	54	23.7	22.3	46.0	91.0	1.0	46.5	4.5	2.5
B12724	B09184/B09135	72	23.6	22.2	47.0	91.0	1.0	46.5	4.5	1.5
B17955	B14302/B12724	5	23.6	20.0	48.0	89.0	1.0	46.0	5.0	2.5

## EXPERIMENT 7107 PRELIMINARY BLACK YIELD TRIAL (POP. 31 &amp; 45)

PLANTED: 6/2/17

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)
B17984	B14302/B12724	34	23.2	22.6	47.0	93.0	1.0	45.0	5.0	3.0
B17968	B14302/B12724	18	23.0	21.8	48.0	91.0	1.0	46.0	5.0	1.5
B17986	B14302/B12724	36	23.0	22.1	47.0	92.0	1.0	46.0	5.5	2.0
B17963	B14302/B12724	13	22.9	19.0	47.0	89.0	1.0	43.5	4.0	2.0
B14303	B09197/B11334	70	22.7	21.2	47.0	90.0	1.0	22.5	5.5	1.5
B17958	B14302/B12724	8	22.6	21.0	47.0	91.0	1.0	45.0	4.5	2.5
B17960	B14302/B12724	10	22.5	19.4	47.0	91.0	1.0	46.5	6.0	2.5
B17962	B14302/B12724	12	22.3	21.4	47.0	89.0	1.0	45.5	5.0	2.0
B17966	B14302/B12724	16	22.2	21.7	47.0	91.0	1.0	45.5	5.0	2.0
B17139	B14303/Zenith	67	22.2	19.5	47.0	89.0	1.0	44.5	4.5	2.0
B17990	B14302/B12724	40	22.1	21.7	47.0	90.0	1.0	44.5	5.0	2.0
B17056	B14303/Zenith	57	22.0	19.0	47.0	90.0	1.0	44.5	5.0	2.5
B17975	B14302/B12724	25	21.9	22.4	48.0	91.0	1.0	44.0	4.5	2.0
B17094	B14303/Zenith	63	21.8	20.4	48.0	94.0	1.0	49.0	5.5	2.0
B17974	B14302/B12724	24	21.8	21.0	47.0	93.0	1.0	43.5	4.0	2.5
B17957	B14302/B12724	7	21.8	20.5	47.0	89.0	1.0	44.5	4.5	1.0
B17961	B14302/B12724	11	21.6	22.6	47.0	91.0	1.0	47.0	5.5	1.5
B17952	B14302/B12724	2	21.5	20.9	48.0	91.0	1.0	45.5	4.5	2.0
B17971	B14302/B12724	21	21.5	21.7	48.0	93.0	1.0	45.0	5.0	1.5
B17987	B09197/B11334, B14302-01	37	21.0	21.5	47.0	90.0	1.0	45.5	5.5	2.0
B17980	B14302/B12724	30	21.0	20.7	48.0	90.0	1.0	44.0	5.0	2.0
B17985	B14302/B12724	35	20.7	21.5	48.0	92.0	1.0	45.0	4.5	2.0
B17973	B14302/B12724	23	20.2	22.2	48.0	89.0	1.0	44.0	4.0	1.5
B17956	B14302/B12724	6	20.1	21.5	48.0	88.0	1.0	46.0	5.0	3.0
B17982	B14302/B12724	32	20.1	22.1	48.0	90.0	1.0	45.0	4.5	2.5
B17989	B14302/B12724	39	19.9	19.9	47.0	92.0	1.0	44.0	4.5	1.5
B17979	B14302/B12724	29	19.9	20.2	47.0	88.0	1.0	44.0	4.5	2.0
B17954	B14302/B12724	4	19.7	20.0	47.0	89.0	1.0	43.0	4.5	3.0
B17964	B14302/B12724	14	19.5	17.7	47.0	91.0	1.0	45.5	5.0	2.0
B14302	B09197/B11334	71	19.0	19.4	49.0	91.0	1.0	45.5	5.5	1.5
B17981	B14302/B12724	31	18.5	23.0	47.0	91.0	1.0	43.5	4.5	1.5
B17951	B14302/B12724	1	16.8	21.0	47.0	91.0	1.0	43.5	4.5	2.5
MEAN(72)			24.5	21.1	47.3	90.7	1.0	45.3	4.9	2.0
LSD(.05)			4.2	1.4	1.3	2.1	0.1	6.7	1.0	1.3
CV%			10.3	3.9	1.7	1.4	8.3	8.8	11.7	39.2

EXPERIMENT 7108 STANDARD GREAT NORTHERN YIELD TRIAL							PLANTED: 6/2/17			
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	30	26.0	37.9	45.0	92.0	1.0	49.0	5.3	
G16351	Eldorado/G13467	1	25.5	41.3	44.0	94.0	1.0	50.3	4.8	
G16339	G12508/G13478	6	24.7	31.3	44.0	91.0	1.3	48.8	5.0	
G12901	G07321/Fuji, <b>SAMURAI</b>	42	24.4	26.3	43.0	93.0	1.3	50.3	5.0	
G16347	G13467/G11429	14	23.9	37.2	44.0	88.0	1.0	48.3	4.8	
G16319	G11464/G11404	15	23.9	37.4	44.0	90.0	1.3	47.0	4.0	
G16345	G12508/G13455	18	23.7	35.2	43.0	91.0	1.0	47.8	5.0	
G16346	G13455/G13478	2	23.5	46.9	44.0	94.0	1.0	49.5	4.3	
G16314	G11429/G11438	7	23.0	39.4	45.0	94.0	1.0	49.8	5.0	
G16328	G12508/G11464	13	22.9	37.1	44.0	91.0	1.0	47.0	5.3	
G17411	G13467/G13479	31	22.8	42.4	43.0	92.0	1.0	47.8	4.5	
G16318	G11438/G12502	3	22.5	41.9	44.0	89.0	1.0	46.0	4.3	
G16308	G11404/G12502	16	22.3	41.2	44.0	89.0	1.0	47.0	3.3	
G16301	Powderhorn/GN9-4	4	22.3	37.1	44.0	88.0	1.0	47.8	5.0	
G14503	G11404/G11469	8	21.8	41.3	44.0	89.0	1.0	45.8	4.3	
G17418	G14530/G11431	38	21.3	39.6	44.0	95.0	1.0	52.0	4.5	
G17401	G13424/G13479	21	21.3	24.9	44.0	89.0	1.3	48.5	4.3	
G17408	G13444/G14508	28	21.1	33.7	45.0	90.0	1.0	48.5	5.5	
G16306	Powderhorn/G12501	12	21.1	39.6	44.0	89.0	1.0	47.0	5.3	
G17419	G14505/P07863	39	21.0	34.8	44.0	90.0	1.0	46.8	4.5	
G16317	G11438/G11464	10	20.5	41.2	43.0	89.0	1.3	47.5	4.3	
G17417	G14530/G11431	37	20.3	38.8	44.0	93.0	1.0	48.8	4.0	
G16338	G12508/G11429	9	20.3	35.4	44.0	95.0	2.0	50.5	4.8	
G17406	G13444/G14508	26	20.3	35.3	43.0	95.0	2.0	50.8	4.5	
G16309	G11404/G12502	5	20.1	42.6	43.0	89.0	1.0	46.0	3.8	
G16305	Powderhorn/G12501	11	20.1	40.8	44.0	89.0	1.0	47.5	5.3	
G17403	G13424/G13479	23	20.0	33.4	44.0	91.0	1.0	48.8	4.8	
G17412	G13444/G13479	32	20.0	32.1	43.0	89.0	1.0	45.3	4.0	
G16332	G11429/Eldorado	17	19.5	37.8	44.0	96.0	2.0	50.8	4.3	
G16344	Powderhorn//GN9-4/G12501	19	19.4	35.2	43.0	88.0	1.0	44.0	4.0	
G17416	G14530/G11431	36	19.3	42.1	45.0	93.0	1.0	48.5	4.3	
G17405	G13424/G13479	25	19.3	39.2	43.0	90.0	1.0	46.5	4.5	
G17413	G13444/G13479	33	19.1	33.8	43.0	89.0	1.0	45.5	4.8	
G17409	G13444/G14508	29	19.0	31.4	45.0	91.0	1.0	49.8	4.3	
G17414	G14530/G11431	34	18.8	39.5	44.0	92.0	1.0	48.5	4.3	

EXPERIMENT 7108 STANDARD GREAT NORTHERN YIELD TRIAL							PLANTED: 6/2/17			
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.	
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
G17404	G13424/G13479	24	18.8	39.1	44.0	91.0	1.0	47.0	4.8	
G08254	G04514/Matterhorn, <b>POWDERHORN</b>	20	18.5	36.9	43.0	88.0	1.0	46.3	4.8	
G17402	G13424/G13479	22	18.4	34.1	44.0	92.0	1.0	48.5	5.5	
G17407	G13444/G14508	27	17.8	35.1	44.0	91.0	1.0	48.3	4.8	
G17811	G12901/G14524	40	15.8	31.7	44.0	95.0	1.0	48.3	3.8	
G17415	G14530/G11431	35	15.4	33.8	44.0	89.0	1.0	45.3	4.3	
G17810	G12901/G14524	41	12.0	33.4	45.0	98.0	1.3	53.8	3.8	
MEAN(42)			20.7	36.9	43.6	91.0	1.1	48.1	4.5	
LSD(.05)			2.8	1.7	1.0	1.9	0.3	1.6	0.8	
CV%			11.6	3.9	1.4	1.8	19.3	2.8	14.3	

EXPERIMENT 7109 STANDARD PINTO YIELD TRIAL							PLANTED: 6/5/17		
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	6	21.6	44.9	44.0	94.0	2.0	47.5	5.5
I07113	PNE-6-94-75/Kodiak, LAPAZ	11	20.2	43.9	42.0	92.0	1.0	48.5	4.5
P17510	SDP H/H BULK	35	19.9	42.3	41.0	93.0	1.0	49.0	5.0
P16905	P11519/P12610	4	19.3	40.5	44.0	92.0	1.0	48.0	5.5
P07863	AN-37/P02630, ELDORADO	16	18.8	46.8	44.0	96.0	2.0	48.5	4.0
P17509	SDP H/H BULK	34	18.7	43.8	45.0	95.0	1.5	48.8	5.0
I15633	PT 9-5-6	18	18.7	41.5	41.0	92.0	1.3	47.8	4.3
P16902	P11519/P12610	2	18.4	40.6	45.0	93.0	1.0	48.0	5.0
P17404	G14505/P07863	25	18.2	46.6	42.0	93.0	1.0	47.8	4.5
P16909	P12604/P12610	5	17.5	44.9	44.0	92.0	1.0	47.5	5.5
P14812	P09425/P08161	3	16.8	47.7	42.0	91.0	1.0	47.3	4.5
P16914	P11519/G13467	9	16.6	41.6	42.0	93.0	1.0	48.3	4.8
P17507	SDP H/H BULK	32	16.6	46.7	41.0	94.0	1.3	47.8	4.5
P16904	P11519/P12610	15	16.5	42.4	42.0	92.0	1.0	47.8	5.0
P17508	SDP H/H BULK	33	16.5	45.4	41.0	94.0	1.0	48.8	4.8
P16907	P12604/P12610	36	16.0	42.6	41.0	92.0	1.0	46.8	4.8
I17502	<b>RADIANT</b>	20	15.8	40.6	39.0	92.0	1.0	47.8	4.0
P16918	CO 91212-3/P12613	8	15.5	44.0	42.0	93.0	1.0	48.5	5.0
P16906	P11519/P12610	14	15.3	37.6	42.0	92.0	1.0	46.8	4.8
P17502	P07863/X14110	27	15.0	44.4	41.0	92.0	1.0	47.5	5.0
P16903	P11519/P12610	7	14.8	42.9	44.0	93.0	1.0	48.3	5.3
P14814	P11522/LONG'S PEAK	12	14.4	42.9	44.0	93.0	1.0	49.3	5.0
P17401	P14801/I14531	22	14.3	39.2	42.0	92.0	1.0	46.0	4.5
I16705	ND121448	19	14.2	40.4	43.0	93.0	1.0	49.0	5.0
P17501	P07863/X14110	26	14.0	44.8	42.0	93.0	1.0	45.3	4.3
I14520	Santa Fe/PS08-108, SF103-8, PALOMINO	17	13.6	42.4	40.0	95.0	2.0	47.8	4.0
P17402	P14801/I14531	23	13.5	42.0	43.0	94.0	1.0	46.3	4.5
P16911	P12610/P11519	1	12.6	40.5	42.0	92.0	1.0	48.5	5.0
P16908	P12604/P12610	10	12.3	44.7	42.0	92.0	1.0	45.8	4.0
P16910	P12610/P11519	13	11.8	39.9	41.0	92.0	1.0	47.8	5.0
I17503	<b>VIBRANT</b>	21	11.8	40.0	40.0	91.0	1.0	47.0	4.0
P17505	SDP H/H BULK	30	11.6	41.7	40.0	93.0	1.0	44.8	4.0
P17403	P07863/P11523	24	11.3	45.3	43.0	91.0	1.0	46.5	4.5
P17504	SDP H/H BULK	29	11.1	45.5	41.0	92.0	1.0	44.0	4.0
P17503	SDP H/H BULK	28	10.6	41.5	41.0	93.0	1.0	45.8	4.0
P17506	SDP H/H BULK	31	9.6	43.7	40.0	93.0	1.0	44.8	4.0
MEAN(36)			15.4	42.9	41.9	92.7	1.1	47.4	4.6
LSD(.05)			2.8	1.6	2.0	1.1	0.2	1.5	0.5
CV%			15.5	3.3	2.9	1.0	13.7	2.7	8.7



**EXPERIMENT 7110 STANDARD RED AND PINK YIELD TRIAL**

**PLANTED: 6/5/17**

<b>NAME</b>	<b>PEDIGREE</b>	<b>ENTRY</b>	<b>YIELD CWT /ACRE</b>	<b>100 SEED WT. (g)</b>	<b>DAYS TO FLOWER</b>	<b>DAYS TO MATURITY</b>	<b>LOGGING (1-5)</b>	<b>HEIGHT (cm)</b>	<b>DES. SCORE</b>
R17603	R12859/R12844	18	27.9	38.4	45.0	93.0	1.0	47.8	5.0
I13401	SR 09303, <b>VIPER</b>	1	26.8	34.6	45.0	96.0	1.0	49.3	4.3
R12844	SR9-5/R09508, <b>CAYENNE</b>	3	25.5	38.8	44.0	92.0	1.0	49.3	5.0
R17604	R12859/R12844	19	25.3	36.8	45.0	95.0	1.3	48.8	5.5
S17706	S14708/X14117	29	24.6	40.4	45.0	94.0	1.0	49.3	5.0
R11806	X07714/X07710, <b>GYPSY ROSE</b>	36	24.5	34.9	45.0	96.0	2.0	47.5	4.0
R17605	R12859/R12844	20	24.3	38.8	46.0	95.0	1.0	48.8	5.0
S16804	S08418/S12904	11	24.1	42.1	44.0	95.0	1.0	48.8	5.3
R16522	R98026/I11207	9	23.6	44.0	43.0	93.0	1.0	47.8	4.5
R17602	R12845/R12859	17	23.3	40.5	43.0	93.0	1.0	48.0	4.8
S08418	S02754/S04503, <b>ROSETTA</b>	15	23.1	41.3	40.0	95.0	1.0	48.8	5.0
S17703	S14705/R14605	26	22.0	45.2	41.0	93.0	1.0	47.5	4.5
S17705	S14708/X14117	28	21.9	43.7	46.0	95.0	1.0	48.8	5.3
S17707	S12909/R12859	32	21.8	42.4	42.0	93.0	1.0	47.5	5.0
R17601	R12844/S14707	16	21.7	41.0	46.0	95.0	1.0	48.3	4.3
S17704	S14705/R14605	27	21.3	43.4	43.0	94.0	1.0	46.8	4.5
S16809	S12906/R11614	12	21.1	40.2	43.0	94.0	1.0	47.8	4.5
R98026	R94037/R94161, <b>MERLOT</b>	8	20.9	43.1	41.0	95.0	1.0	48.5	4.0
R16521	R98026/I11207	6	20.9	46.3	42.0	94.0	1.3	48.3	4.3
S17701	R12843/S14705	24	20.7	38.9	45.0	96.0	1.5	48.8	5.5
S17702	R12843/S14705	25	20.0	37.9	45.0	95.0	2.0	48.5	5.0
R16503	R12859/R13506	5	19.9	38.6	44.0	95.0	1.0	49.0	5.0
R16519	S12909/I13423	7	19.6	37.0	42.0	94.0	1.0	48.0	4.8
R16514	R12859/S12904	13	19.5	41.3	42.0	95.0	1.0	48.0	4.5
R17610	S12909/R12859	31	19.4	45.5	42.0	91.0	1.0	45.8	4.0
S16807	S08418/S12909	10	19.2	39.3	42.0	95.0	1.0	48.0	4.8
R16518	S12909/I13423	4	18.3	39.4	42.0	94.0	1.3	47.5	4.8
S16808	S08418/S12906	2	18.0	39.9	42.0	94.0	1.0	47.8	4.5
R17609	S12909/R12859	30	18.0	44.7	41.0	92.0	1.0	46.5	4.3
R11801	X07712/X07721, <b>DESERT SONG</b>	35	17.6	39.4	40.0	91.0	2.3	44.0	3.8
S16801	R12859/S12904	14	17.1	42.3	41.0	92.0	1.0	47.0	4.0
I16711	ACUG 13-SR1, <b>OAC ROSITO</b>	34	16.6	24.6	45.0	93.0	1.0	46.5	4.0
R17608	R12832/R12859	23	16.3	37.1	40.0	92.0	1.0	46.8	4.3
I15605	SR10-2-1	33	15.8	42.3	40.0	92.0	1.0	46.5	4.0
R17607	R12832/R12859	22	14.6	34.0	40.0	92.0	1.0	44.5	4.0
R17606	R12832/R12859	21	13.5	34.4	40.0	92.0	1.0	46.0	4.0
MEAN(36)			20.8	39.8	42.6	93.6	1.1	47.7	4.6
LSD(.05)			2.8	1.4	1.4	1.0	0.3	1.1	0.6
CV%			11.3	3.0	2.0	1.0	20.8	2.0	11.1

## EXPERIMENT 7111 PRELIMINARY TEBO YIELD TRIAL

PLANTED: 6/5/17

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
G17913	G14505/Samurai	13	28.3	32.6	41.0	96.0	1.3	48.0	5.3
G17925	G14505/Samurai	25	26.6	37.9	45.0	99.0	1.7	51.0	6.0
G17923	G14505/Samurai	23	26.0	28.7	46.0	99.0	1.0	49.7	5.3
G17919	G14505/Samurai	19	24.7	28.4	44.0	98.0	1.0	49.3	5.3
G17806	Samurai/G13424	43	23.8	29.5	44.0	99.0	1.0	47.7	5.7
G17916	G14505/Samurai	16	23.6	29.3	42.0	95.0	1.0	46.3	5.0
G17909	G14505/Samurai	9	23.1	26.9	44.0	98.0	1.0	48.0	5.7
G17805	Samurai/G13424	42	22.9	28.6	43.0	99.0	1.0	47.7	5.7
G12901	G07321/Fuji, <b>SAMURAI</b>	48	22.7	29.0	43.0	98.0	1.0	48.0	5.0
G17926	G14505/Samurai	26	22.0	29.2	44.0	98.0	1.3	48.3	5.0
G17804	Samurai/G11431	41	21.7	28.0	43.0	98.0	1.0	47.7	5.7
G17932	Samurai/G15479	32	21.4	30.1	41.0	95.0	1.0	47.0	5.0
G17910	G14505/Samurai	10	21.1	27.6	44.0	99.0	1.7	51.3	5.3
G17802	Samurai/G11431	39	20.8	28.8	43.0	96.0	1.0	48.3	5.0
G17936	Samurai/G15479	36	20.8	27.6	42.0	97.0	1.0	46.3	4.7
G17803	Samurai/G11431	40	20.8	28.5	44.0	98.0	1.0	47.3	5.0
G17807	Samurai/G13424	44	20.5	28.9	42.0	100.0	1.0	48.3	5.3
G17905	G14505/Samurai	5	20.0	27.4	43.0	95.0	1.0	46.0	4.3
G17920	G14505/Samurai	20	19.9	29.2	41.0	96.0	1.3	48.0	4.7
G17801	Samurai/G11431	38	19.8	29.1	46.0	98.0	1.0	47.3	5.0
G17918	G14505/Samurai	18	19.6	31.1	42.0	97.0	1.0	45.7	4.0
G17911	G14505/Samurai	11	19.6	27.8	45.0	97.0	1.0	49.3	6.0
G17928	G14505/Samurai	28	19.6	27.0	42.0	96.0	1.0	46.0	4.3
G17901	G14505/Samurai	1	19.1	31.0	44.0	98.0	1.0	48.3	5.7
G17917	G14505/Samurai	17	19.0	26.2	41.0	94.0	1.0	42.7	4.0
G17931	Samurai/G15479	31	18.6	33.3	41.0	93.0	1.0	47.0	4.0
G17924	G14505/Samurai	24	18.2	31.6	42.0	97.0	1.0	46.7	5.0
G17903	G14505/Samurai	3	17.9	23.8	45.0	99.0	1.0	49.3	5.3
G17933	Samurai/G15479	33	17.6	32.0	41.0	95.0	1.0	44.7	4.0
G17930	G14505/Samurai	30	17.5	24.8	45.0	101.0	1.0	48.7	5.3
G17937	Samurai/G15479	37	17.5	36.3	41.0	94.0	1.0	46.7	4.7
G17927	G14505/Samurai	27	17.4	27.3	43.0	97.0	1.0	46.7	5.0
G17809	Samurai/G14524	46	17.1	35.9	43.0	101.0	1.0	51.3	5.3
G17906	G14505/Samurai	6	17.1	29.6	44.0	100.0	1.0	47.3	5.0
G17914	G14505/Samurai	14	16.9	30.3	43.0	95.0	1.0	46.3	5.0

EXPERIMENT 7111 PRELIMINARY TEBO YIELD TRIAL							PLANTED: 6/5/17		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
G17922	G14505/Samurai	22	16.2	25.1	42.0	95.0	1.0	44.7	4.0
G17921	G14505/Samurai	21	16.1	28.4	42.0	96.0	1.0	43.7	3.7
G17929	G14505/Samurai	29	15.9	25.9	41.0	93.0	1.0	44.3	4.0
G17915	G14505/Samurai	15	15.9	30.2	42.0	96.0	1.0	45.7	4.7
G08254	G04514/Matterhorn, <b>POWDERHORN</b>	47	15.5	41.4	40.0	93.0	1.0	44.7	4.7
G17902	G14505/Samurai	2	15.5	27.0	41.0	94.0	1.0	44.0	4.3
G17908	G14505/Samurai	8	14.2	27.5	42.0	94.0	1.0	45.0	4.3
G17912	G14505/Samurai	12	14.1	30.5	41.0	94.0	1.0	43.7	4.0
G17808	Samurai/G14524	45	13.8	34.2	46.0	101.0	1.0	46.3	4.7
G17904	G14505/Samurai	4	12.1	27.3	43.0	94.0	1.0	45.7	4.7
G17907	G14505/Samurai	7	11.9	25.8	41.0	94.0	1.0	44.7	4.0
G17935	Samurai/G15479	35	11.4	29.6	43.0	93.0	1.0	43.3	3.7
G17934	Samurai/G15479	34	9.7	30.3	40.0	94.0	1.0	41.7	3.7
MEAN(48)			18.9	29.5	42.5	96.6	1.0	46.8	4.8
LSD(.05)			3.6	1.1	1.9	1.7	0.2	2.4	0.7
CV%			14.1	2.8	2.6	1.3	17.5	3.7	11.1

EXPERIMENT 7112 MRPN/CDBN YIELD TRIAL							PLANTED: 6/5/17		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING (1-5)	HEIGHT (cm)	DES. SCORE
I17521	CO 43732-15	14	26.4	44.5	42.0	97.0	1.3	49.3	5.3
G16309	G11404/G12502	24	24.3	41.8	44.0	93.0	1.0	49.0	5.0
I17523	CO 33123-13	16	24.1	43.9	44.0	101.0	2.0	50.0	4.3
R12844	SR9-5/R09508, <b>CAYENNE</b>	36	23.8	39.6	46.0	97.0	1.0	48.0	5.0
I17525	CO 33503-5	18	23.4	44.6	42.0	97.0	1.3	49.3	5.7
I17533	NE2-16-41	35	22.1	52.6	45.0	96.0	2.7	47.0	3.7
I15644	COSD-35, <b>STAYBRIGHT</b>	8	22.0	39.0	42.0	94.0	1.0	49.0	5.3
I07113	PNE-6-94-75/Kodiak, <b>LAPAZ</b>	6	21.9	44.3	44.0	93.0	1.0	48.3	4.7
I17524	CO 34435-15	17	21.7	42.5	43.0	94.0	1.0	49.7	5.7
I14531	CO 14790-3	11	21.1	45.8	44.0	101.0	1.3	49.3	4.3
P14814	P11522/LONG'S PEAK	27	21.0	42.8	46.0	95.0	1.0	48.7	5.3
I16707	ND121315	21	20.9	46.6	41.0	94.0	1.0	46.7	4.3
I17513	NE2-16-33	2	20.8	48.7	42.0	95.0	3.0	45.7	3.0
P14812	P09425/P08161	26	20.1	45.2	43.0	94.0	1.0	47.3	4.7
I17531	NE1-16-33	33	19.9	47.9	41.0	93.0	1.0	47.0	4.0
I17516	<b>TWIN FALLS</b>	5	19.2	39.5	45.0	95.0	1.0	49.3	5.7
I15642	COSD-7, <b>SUNDANCE</b>	9	19.0	41.0	41.0	93.0	1.0	47.0	3.0
I15652	ND121630	22	18.7	43.5	43.0	94.0	1.0	49.0	5.3
P16911	P12610/P11519	28	18.7	41.6	45.0	94.0	1.0	49.0	5.3
I16705	ND121448	19	17.9	42.1	46.0	96.0	1.0	48.0	5.0
G16328	G12508/G11464	25	17.5	40.7	44.0	93.0	1.0	46.7	5.3
I17532	NE2-16-24	34	16.8	46.2	42.0	92.0	2.0	46.7	4.0
I17512	PT10-12-1	1	16.3	39.4	40.0	94.0	1.0	48.3	5.0
I17519	ND131413	12	15.9	42.5	43.0	94.0	1.7	46.0	3.7
I16706	ND121479	20	15.7	45.4	43.0	95.0	1.0	47.3	4.3
G16301	Powderhorn/GN9-4	23	15.6	41.8	41.0	92.0	1.0	46.7	5.3
I98313	CO51715, <b>MONTROSE</b>	30	15.0	46.9	41.0	91.0	3.0	41.3	3.0
I17515	<b>NEZ PERCE</b>	4	14.1	35.8	42.0	94.0	2.0	48.0	4.0
I14520	Santa Fe/PS08-108, SF103-8, <b>PALOMINO</b>	10	13.5	41.8	40.0	98.0	2.0	47.3	4.0
G93414	<b>MATTERHORN</b>	29	13.5	39.3	41.0	92.0	1.0	45.7	4.0
I17530	NE1-16-16	32	13.2	41.5	41.0	93.0	1.0	46.3	4.3
I17520	NDF140813	13	13.2	50.3	40.0	98.0	1.0	48.7	4.0
I84002	NW410/VICTOR/AURORA, <b>OTHELLO</b>	7	11.7	42.6	39.0	90.0	2.7	42.3	3.0
I17522	CO 41767-15	15	11.1	43.2	40.0	94.0	1.0	46.0	4.0
I99117	<b>BUSTER</b>	31	10.2	48.0	41.0	91.0	1.7	43.7	3.3
I17514	<b>BLACKFOOT</b>	3	7.6	34.2	41.0	91.0	1.3	45.3	3.0
MEAN(36)			18.0	43.2	42.2	94.4	1.4	47.3	4.4
LSD(.05)			2.8	1.8	1.8	1.6	0.4	1.6	0.9
CV%			11.5	3.1	2.6	1.2	19.5	2.5	14.4

## EXPERIMENT 7113 DRYBEAN DROUGHT TRIAL

PLANTED: 6/5/17

NAME	PEDIGREE		ENTRY YIELD CWT 100 SEED		DAYS TO FLOWER	DAYS TO MATURITY	LODGING (1-5)	HEIGHT (cm)	DES. SCORE
			/ACRE	WT. (g)					
R12844	SR9-5/R09508, <b>CAYENNE</b>	11	24.5	41.3	45.0	95.0	1.0	48.3	5.3
I15647	CO 14790-3	12	24.5	47.6	43.0	101.0	2.0	50.3	4.7
R98026	R94037/R94161, <b>MERLOT</b>	39	22.7	44.3	44.0	97.0	2.0	48.3	4.3
I17541	PT16-15	24	21.8	37.1	43.0	96.0	2.0	48.0	5.0
I06251	CO23704, <b>CROISSANT</b>	14	20.7	43.4	41.0	93.0	2.3	47.3	4.3
I09109	CO55646, <b>LONG'S PEAK</b>	13	20.7	43.8	42.0	93.0	1.0	47.7	5.3
I17546	PK16-1	29	20.5	39.3	41.0	92.0	3.0	46.3	3.0
B10244	B04644/ZORRO, <b>ZENITH</b>	10	20.4	26.7	46.0	98.0	1.0	47.7	5.0
I16716	SB2_171, MATT/G21212///MATT/DOR364//USPT-ANT1/H405-8-1-1	6	19.8	25.7	43.0	93.0	3.7	44.7	3.0
I17544	GN16-7	27	19.6	46.1	43.0	94.0	1.0	48.0	5.0
I16717	P00646/TARS PT03-1//CBB-5/456-4, SB2_259_0	7	19.2	35.7	40.0	92.0	1.0	46.3	4.3
I17542	NDZ-1408	25	18.8	37.3	42.0	97.0	3.3	47.3	3.3
I17516	<b>TWIN FALLS</b>	32	18.7	38.0	46.0	93.0	1.0	48.3	6.0
I16714	ABC USPT-CBB-5/Stampede, SB2_143	3	18.4	36.7	40.0	93.0	1.0	46.7	4.0
I15633	PT 9-5-6	22	18.0	41.9	42.0	94.0	1.0	47.7	5.0
I14509	PT11-13	23	17.0	44.7	43.0	93.0	1.0	47.7	5.0
I05834	ND020351, <b>STAMPEDE</b>	40	16.9	42.3	41.0	93.0	1.3	46.0	3.7
I17539	1675 (737-752)	18	16.8	23.2	47.0	95.0	1.0	48.0	4.3
I17512	PT10-12-1	21	16.8	40.4	43.0	94.0	1.0	48.0	5.0
I17537	SB2_89_9, 15F-13029	8	16.7	32.6	41.0	92.0	1.0	46.0	4.0
B04554	B00103*/X00822, <b>ZORRO</b>	9	16.7	23.7	46.0	96.0	1.0	46.0	5.0
I17534	SB2_1_0, Matterhon/EMP509	2	16.7	36.4	43.0	92.0	1.0	48.0	5.0
I17515	<b>NEZ PERCE</b>	31	16.1	38.2	42.0	96.0	2.3	48.3	4.0
I17545	GN16-8	28	16.0	44.1	45.0	97.0	1.3	48.7	5.0
I17540	1765 (689-736)	20	15.3	25.9	45.0	94.0	1.0	46.0	4.3
I13450	CO 91212-4, <b>CENTENNIAL</b>	15	15.2	46.7	42.0	98.0	1.7	48.0	4.7
I17548	NZ14-732	34	14.7	50.3	40.0	96.0	2.0	47.0	4.0
BC138	<b>MARQUIS</b>	38	14.5	32.2	40.0	94.0	2.7	44.7	3.7
I17535	SB2_4, Matterhon/EMP509	4	14.4	35.4	44.0	94.0	1.3	47.7	4.3
I17538	PR1217-6	17	14.0	28.8	42.0	92.0	1.0	44.0	3.7
I16708	XRAV-40-4	19	13.4	22.9	45.0	91.0	1.0	44.7	3.3
BC200	NE1-09-19	36	13.3	41.0	40.0	94.0	1.7	47.3	4.0
G93414	<b>MATTERHORN</b>	37	13.0	39.5	41.0	92.0	1.3	46.0	4.0
I17543	GN16-3	26	12.6	39.1	41.0	92.0	1.0	47.0	3.9
I17549	NE14-14-241	35	12.1	24.1	45.0	93.0	1.0	45.3	4.7

**EXPERIMENT 7113 DRYBEAN DROUGHT TRIAL**

**PLANTED: 6/5/17**

NAME	PEDIGREE	ENTRY	YIELD CWT 100	SEED	DAYS TO	DAYS TO	LOGGING	HEIGHT	DES.
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE
I17547	NE1-16-10	33	11.7	36.2	41.0	91.0	1.7	45.3	3.7
I17526	PR0801-81A	16	11.7	23.5	42.0	97.0	1.0	47.0	4.3
I17536	SB2_148, ABC USPT-CBB-5/Stampede	5	11.6	43.9	40.0	91.0	2.0	45.3	3.3
I14546	(USPT-ANT)x('Matterhornx98078-5-1-5-1)	1	9.7	44.8	40.0	92.0	1.0	44.0	3.7
I17514	<b>BLACKFOOT</b>	30	8.1	38.5	40.0	91.0	1.7	45.7	3.3
MEAN(40)			16.6	37.1	42.2	94.0	1.5	46.9	4.3
LSD (.05)			2.5	1.7	1.7	1.8	0.5	1.5	0.7
CV (%)			10.9	3.4	2.4	1.4	24.4	2.3	12.0

## EXPERIMENT 7214 STANDARD KIDNEY YIELD TRIAL

PLANTED: 6/13/17

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.
		/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
I17507	ND122386	59	43.2	64.8	37.0	100.0	1.3	49.5	5.0
K16131	K11914/K12209	64	41.6	75.3	38.0	101.0	1.3	48.3	5.0
K16957	K12206/K08961	54	40.4	68.5	39.0	100.0	1.0	49.8	5.8
K15901	K11714/K11914	4	40.3	69.3	36.0	98.0	1.0	47.5	4.5
I15620	DRK 07323, <b>CHAPARRAL</b>	58	40.0	52.5	37.0	99.0	1.8	48.3	4.0
K16934	I05101/K08961	49	40.0	66.9	37.0	98.0	1.3	48.5	4.8
K16924	K11917/K08961	44	39.8	67.9	35.0	100.0	1.0	47.5	4.5
K15601	K11306/K11916	2	39.8	54.9	38.0	100.0	1.0	49.5	6.0
K16658	K13603/H9659-21-1	33	39.7	65.5	35.0	104.0	1.3	48.8	3.8
K90902	BEA/50B1807//LASSEN, <b>BELUGA</b>	12	39.6	67.2	37.0	101.0	1.0	49.8	5.0
K16640	K11914/K12209	27	39.5	66.5	37.0	101.0	1.8	49.5	4.8
I11201	Pink Panther//ZAA/Montcalm, <b>CLOUSEAU</b>	10	39.0	71.8	36.0	101.0	1.5	49.0	3.8
K16911	K08961/K12214	57	38.7	69.5	37.0	98.0	1.0	48.5	5.0
K16657	K13603/H9659-21-1	28	38.6	62.3	36.0	104.0	1.0	47.5	4.0
K16962	K12206/K08961	42	38.6	65.1	41.0	100.0	1.3	50.5	5.8
I15622	<b>DYNASTY</b>	61	38.6	73.8	37.0	103.0	1.3	48.5	4.0
K16981	K13902/I93127	40	38.5	59.4	39.0	100.0	1.0	50.0	5.8
K16943	K12209/K13907	47	38.3	57.1	38.0	99.0	1.0	49.8	5.3
I17511	<b>Cornell 612</b>	63	38.1	65.8	37.0	100.0	1.5	48.0	4.0
K16136	K12206/I07151	13	38.0	61.5	38.0	101.0	1.0	47.8	4.3
K16117	K74002/K12225	14	38.0	53.3	38.0	98.0	1.0	48.3	4.8
I17510	DRK 1	62	38.0	58.6	36.0	99.0	1.0	46.5	3.3
I13420	ND061210, <b>TALON</b>	6	37.8	61.7	37.0	100.0	1.5	48.8	4.5
K15304	K11306/K11916	1	37.5	55.9	38.0	98.0	1.0	48.3	5.3
K16933	I05101/K08961	43	37.2	67.1	40.0	100.0	1.3	51.3	5.8
K16955	I05101/K11914	39	37.1	66.0	40.0	105.0	1.5	52.5	4.8
K16130	K11320/I07151	23	36.7	55.4	38.0	100.0	1.0	49.8	5.0
I11234	Drake//ZAA/Montcalm, <b>RED ROVER</b>	60	36.5	65.2	36.0	99.0	1.0	48.5	4.0
K16135	K12206/I07151	15	36.2	63.3	37.0	100.0	1.3	47.3	4.0
I13421	ND061106, <b>ROSIE</b>	7	36.1	63.0	38.0	102.0	1.3	51.3	5.0
K16967	K08961/I13465	56	36.1	68.5	37.0	100.0	1.3	49.0	4.5
K16982	K13902/I93127	41	35.9	57.4	39.0	102.0	1.0	48.5	4.8
K16624	CBB-15/Snowdon	37	35.5	69.9	38.0	98.0	1.3	49.0	5.0
K16128	K11320/I07151	18	35.5	53.9	40.0	100.0	1.0	48.8	5.0
K16134	K12206/I07151	17	35.3	64.5	37.0	101.0	1.0	47.5	4.0

## EXPERIMENT 7214 STANDARD KIDNEY YIELD TRIAL

PLANTED: 6/13/17

NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING	HEIGHT	DES.
		/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	
K16950	K12219/K08961	46	35.2	63.4	40.0	101.0	1.3	51.8	5.5
K16607	K11709/K13602	32	35.0	64.6	36.0	101.0	2.0	48.3	4.0
K16661	K13603/H9659-21-1	36	34.6	59.7	36.0	103.0	1.0	49.5	3.8
K16643	K12602/K13602	38	34.5	55.1	37.0	97.0	1.3	47.8	3.5
K16622	CBB-15/Snowdon	35	34.4	66.8	40.0	98.0	1.3	49.8	5.0
K90101	CHAR/2*MONT, <b>RED HAWK</b>	5	34.2	63.7	36.0	100.0	1.0	48.5	4.5
K16656	K13603/H9659-21-1	29	33.9	63.4	35.0	103.0	1.0	47.5	3.8
K16927	K13604/K08961	53	33.9	58.7	36.0	101.0	1.3	50.5	5.5
K16961	K12206/K08961	48	33.8	68.2	40.0	99.0	1.0	49.5	4.8
K16983	K13902/K12206	50	33.4	64.9	40.0	102.0	1.0	50.0	5.3
K16149	K12206/K08961	22	33.0	60.9	38.0	99.0	1.3	47.3	4.0
K16102	K11320/K12219	24	32.9	55.5	40.0	99.0	1.0	48.3	4.8
K74002	MDRK/CN(3)-HBR(NEB#1), <b>MONTCALM</b>	9	32.8	64.1	37.0	105.0	1.0	48.3	3.3
K11306	K06621/USDK-CBB-15, <b>RED CEDAR</b>	3	32.7	58.8	37.0	101.0	1.0	49.5	5.5
K16129	K11320/I07151	25	32.5	52.9	39.0	100.0	1.0	49.5	4.8
K16985	K11713/K13902	51	32.2	63.0	35.0	99.0	1.0	46.3	4.3
K16110	K12205/K11320	19	31.7	54.9	41.0	98.0	1.0	48.3	4.3
K16133	K12206/I07151	26	31.6	69.3	37.0	99.0	1.0	48.8	4.5
K16137	K12225/K11303	20	31.5	60.7	39.0	100.0	1.3	49.3	4.5
K16638	K11714/K12811	31	31.4	67.8	35.0	99.0	1.0	45.0	3.8
K16605	K11709/K13602	34	31.2	64.4	36.0	98.0	1.3	48.3	4.0
K08961	K04604/USDK-CBB-15, <b>SNOWDON</b>	8	31.0	76.4	37.0	98.0	1.0	48.0	4.3
K16655	K11713/K13902	30	30.8	64.9	35.0	102.0	1.0	46.8	3.5
K16930	K13604/K08961	52	30.6	64.8	35.0	98.0	1.0	48.8	5.0
K16984	K12803/K12811	45	30.5	69.1	36.0	98.0	1.0	46.3	4.3
K16121	K08961/K12602	16	30.2	50.1	40.0	97.0	1.0	47.3	4.3
I90013	<b>CELRK</b>	11	29.9	74.4	34.0	97.0	1.0	45.3	3.0
K16146	K11306/I13464	21	29.6	58.7	37.0	99.0	1.0	47.5	4.3
K16975	K12811/K12803	55	29.0	58.9	34.0	101.0	1.0	45.5	3.8
MEAN(64)			35.6	63.2	37.1	99.9	1.1	48.6	4.5
LSD(.05)			3.9	2.8	1.6	1.5	0.4	1.3	0.6
CV%			9.4	3.7	2.6	1.3	27.4	2.3	12.1



## EXPERIMENT 7215 PRELIMINARY KIDNEY YIELD TRIAL

PLANTED: 6/13/17

NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING HEIGHT (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
K17805	K11714/X14211	21	49.9	78.0	36.0	103.0	2.0	50.7	3.7	2.0
K17804	K11714/X14211	20	48.9	68.4	35.0	102.0	2.0	51.7	4.7	3.0
K17816	K11306/K14806	32	45.2	56.5	38.0	100.0	2.0	50.0	5.7	2.0
K17206	K11306/X14202	6	45.1	59.6	38.0	99.0	2.0	49.7	5.3	1.0
K17823	K14811/K14804	39	44.4	60.3	35.0	98.0	1.0	48.7	4.0	5.0
K17815	K11306/K08961	31	44.1	68.0	39.0	100.0	2.0	50.3	6.0	3.0
K17827	K13902/K14804	43	44.1	71.1	37.0	100.0	1.7	48.3	5.0	2.0
K17209	K11306/K08961	9	43.6	69.8	36.0	104.0	2.0	52.7	3.7	2.0
K17818	K14101/K14804	34	43.3	57.9	37.0	100.0	1.7	50.0	4.7	3.0
K17703	K11714/X14209	12	43.1	67.5	37.0	102.0	2.0	49.7	4.7	1.0
K17825	K13902/K14804	41	42.2	69.2	37.0	100.0	1.3	48.7	5.3	1.0
K17207	K11306/X14202	7	41.8	59.7	39.0	100.0	1.7	48.7	5.0	2.0
K17819	K14101/K14804	35	41.2	70.3	38.0	100.0	2.0	50.0	4.0	2.0
K17824	K13902/K14804	40	41.2	58.8	35.0	97.0	1.3	47.0	4.3	2.0
I11201	Pink Panther//ZAA/Montcalm, <b>CLOUSEAU</b>	46	41.2	75.9	35.0	99.0	2.0	48.0	4.3	3.0
K17208	K11306/X14202	8	40.7	62.5	36.0	100.0	1.7	49.0	5.3	1.0
K17704	K11714/X14209	13	40.6	67.9	36.0	101.0	2.0	49.3	5.0	1.0
K17806	K08961/K14810	22	40.5	71.0	36.0	100.0	1.0	48.0	4.7	3.0
K17702	K11714/X14208	11	40.3	67.7	35.0	100.0	1.7	48.3	4.3	2.0
K17814	K11306/K08961	30	40.3	68.6	38.0	99.0	2.0	49.7	5.3	1.0
K17706	K11306/K14806	15	40.2	68.6	38.0	98.0	1.7	49.0	4.7	3.0
K17203	K11306/X14202	3	40.2	63.7	37.0	100.0	1.7	49.3	6.0	1.0
K17807	K08961/K14810	23	39.9	78.2	36.0	99.0	1.3	47.3	5.0	4.0
K17202	K11306/X14202	2	38.8	65.8	36.0	100.0	1.0	48.7	4.7	1.0
K17201	K11306/X14202	1	38.7	63.7	36.0	99.0	1.7	48.7	5.0	1.0
K17701	K11714/X14208	10	38.3	69.6	35.0	101.0	1.7	48.0	4.3	1.0
K17802	K12225/X14206	18	38.3	60.0	35.0	99.0	1.0	47.0	4.3	1.0
K17821	K14809/K14810	37	38.2	71.7	36.0	97.0	1.3	46.7	3.7	4.0
K17812	K08961/K14810	28	37.9	65.6	35.0	96.0	1.0	47.0	3.7	5.0
K17820	K14809/K14810	36	37.7	61.9	35.0	99.0	1.0	46.7	4.0	2.0
K17204	K11306/X14202	4	37.6	61.8	37.0	99.0	1.0	49.3	5.7	1.0
K17205	K11306/X14202	5	37.3	59.6	37.0	99.0	1.3	48.0	5.3	1.0
K17810	K08961/K14810	26	37.0	62.5	35.0	99.0	1.0	46.3	4.3	2.0
K17828	X14221/X14223	44	36.9	56.3	37.0	101.0	2.0	50.0	4.3	3.0
K17826	K13902/K14804	42	36.7	69.7	35.0	99.0	1.0	47.0	4.3	2.0

EXPERIMENT 7215 PRELIMINARY KIDNEY YIELD TRIAL								PLANTED: 6/13/17		
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING HEIGHT (1-5)	HEIGHT (cm)	DES. SCORE	CBB (1-5)
K17707	K12203/K14704	16	36.7	52.2	35.0	97.0	1.3	46.0	3.3	3.0
K17813	K08961/K14810	29	36.5	62.3	35.0	97.0	1.0	47.0	4.0	4.0
K17803	K12225/X14206	19	35.4	60.4	35.0	98.0	1.0	46.7	4.0	0.0
K17801	K12225/X14206	17	34.5	55.9	35.0	98.0	1.0	46.3	4.0	2.0
K90101	CHAR/2*MONT, <b>RED HAWK</b>	45	33.7	66.9	37.0	99.0	1.7	48.7	5.0	3.0
K11306	K06621/USDK-CBB-15, <b>RED CEDAR</b>	48	33.1	59.3	39.0	100.0	2.0	50.0	5.0	1.0
K17811	K08961/K14810	27	32.8	56.6	36.0	96.0	1.0	46.3	3.7	0.0
K17808	K08961/K14810	24	32.8	67.4	36.0	98.0	1.0	46.3	3.7	5.0
K17822	K14811/K14804	38	32.8	68.9	35.0	100.0	1.0	47.0	4.0	0.0
K17809	K08961/K14810	25	32.6	60.8	35.0	96.0	1.0	45.3	3.3	4.0
K17817	K12203/K13902	33	32.2	64.6	35.0	100.0	1.0	47.0	3.3	3.0
K08961	K04604/USDK-CBB-15, <b>SNOWDON</b>	47	29.9	74.0	37.0	98.0	1.7	48.0	4.3	2.0
K17705	K11714/X14209	14	28.8	66.2	35.0	101.0	1.0	46.7	3.3	2.0
MEAN(48)			38.9	65.1	36.0	99.3	1.5	48.3	4.5	2.3
LSD(.05)			5.8	3.2	1.4	1.7	0.5	1.3	0.8	0.0
CV%			10.9	3.6	2.3	1.2	23.6	2.0	13.0	51.8

EXPERIMENT 7216 STANDARD YELLOW YIELD TRIAL							PLANTED: 6/13/17			
NAME	PEDIGREE	ENTRY	YIELD CWT /ACRE	100 SEED WT. (g)	DAYS TO FLOWER	DAYS TO MATURITY	LOGGING HEIGHT (1-5)	HEIGHT (cm)	DES. SCORE	
I14515	DBY-60-1, <b>PATRON</b>	24	54.2	57.2	42.0	100.0	2.0	47.9	5.4	
I14513	DBY-28-1	1	52.3	57.6	42.0	100.0	2.0	47.3	5.0	
I17506	<b>SVS-0863</b>	27	51.8	52.0	42.0	100.0	2.0	48.0	5.0	
Y16503	Y11405/UC Canario 707	2	49.8	49.7	41.0	101.0	1.1	51.0	5.7	
Y17501	Y11405/PR1146-123 (oblong)	4	48.7	57.5	41.0	100.0	1.3	48.8	5.8	
Y17502	Y11405/PR1146-123 (round)	28	47.6	56.1	41.0	101.0	1.4	49.4	5.7	
I17504	<b>AAC Y012</b>	25	42.6	52.4	35.0	98.0	1.1	47.4	4.7	
I17505	<b>AAC Y015</b>	26	39.9	57.9	36.0	100.0	1.5	48.0	4.8	
Y17603	Y11405*/UC Canario707	8	39.0	55.9	42.0	102.0	1.0	48.3	4.5	
Y17606	Y11405*/UC Canario707	11	38.8	53.7	42.0	101.0	1.1	48.7	4.7	
Y17604	Y11405*/UC Canario707	9	37.8	51.4	41.0	101.0	1.3	48.3	4.8	
Y17601	Y11405*/UC Canario707	6	37.8	58.1	42.0	102.0	1.1	49.4	5.0	
Y11405	FR-07-AZP-14-06	3	37.5	59.3	42.0	101.0	1.1	47.6	4.5	
Y16507	PR1146-123/Y11405	5	37.3	51.7	41.0	98.0	1.3	47.9	5.7	
Y17612	Y11405*/UC Canario707	17	36.2	53.3	42.0	99.0	1.0	47.8	4.0	
Y17610	Y11405*/UC Canario707	15	35.9	63.9	41.0	101.0	1.1	48.0	4.4	
Y17611	Y11405*/UC Canario707	16	35.1	58.2	41.0	100.0	1.3	47.3	3.5	
Y17607	Y11405*/UC Canario707	12	35.0	50.9	42.0	101.0	1.0	48.0	4.0	
Y17605	Y11405*/UC Canario707	10	34.0	52.8	41.0	101.0	1.1	48.7	4.7	
Y17609	Y11405*/UC Canario707	14	33.7	55.2	41.0	101.0	1.1	48.7	4.4	
Y17618	Y11405*/UC Canario707	23	33.4	64.0	42.0	101.0	1.0	48.0	4.0	
Y17616	Y11405/UC Canario707//Y11405	21	31.8	52.7	42.0	103.0	1.5	48.3	4.0	
Y17617	Y11405/UC Canario707//Y11405	22	30.8	55.3	43.0	101.0	1.3	47.9	4.4	
Y17613	Y11405*/UC Canario707	18	30.6	54.2	42.0	98.0	1.0	46.9	3.4	
Y17602	Y11405*/UC Canario707	7	29.7	58.6	42.0	100.0	1.0	47.0	4.3	
Y17614	UC Canario707/Y11405//PR1146-123/Y11405	19	29.7	50.2	42.0	103.0	1.3	49.2	4.4	
Y17615	Y11405/UC Canario707//Y11405	20	29.4	57.0	42.0	101.0	1.3	47.5	3.8	
Y17608	Y11405*/UC Canario707	13	29.2	47.7	41.0	101.0	1.4	48.0	3.7	
MEAN(28)			38.2	55.2	41.0	100.4	1.3	48.2	4.6	
LSD(.05)			4.1	2.4	0.9	1.8	0.4	1.0	0.6	
CV%			9.2	3.7	1.9	1.5	23.9	1.8	10.5	

EXPERIMENT 7217 NATIONAL WHITE MOLD YIELD TRIAL										PLANTED: 6/14/17	
NAME	PEDIGREE	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LOGGING	HEIGHT	DES.	WM	WM
			/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE	(1-9)	%
P16911	P12610/P11519	27	40.8	37.4	42.0	98.0	1.5	53.0	6.1	4.5	49.6
I15633	PT 9-5-6	5	39.5	39.0	47.0	98.0	2.0	50.5	5.1	5.0	55.1
B15430	Zenith/B12721	2	36.5	25.9	48.0	98.0	1.0	50.0	5.1	3.0	32.9
B16504	Zenith//Alpena*/B09197	23	36.3	24.8	49.0	103.0	1.0	53.7	6.0	4.0	44.4
B16507	B12720/Zenith	25	35.3	28.4	48.0	98.0	1.0	50.5	5.6	3.0	32.9
B10244	B04644/ZORRO, <b>ZENITH</b>	19	32.8	25.7	46.0	101.0	1.0	50.0	5.3	3.0	33.3
B15442	B11363/B09175	21	32.1	25.2	48.0	101.0	1.1	51.0	6.1	4.0	44.4
P14812	P09425/P08161	26	31.2	45.7	43.0	96.0	1.5	48.5	5.5	3.0	33.7
N16405	N12466/N11264	18	30.5	20.0	50.0	99.0	1.1	52.0	6.1	5.0	55.5
P14814	P11522/LONG'S PEAK	3	29.0	39.0	47.0	99.0	1.1	50.0	6.1	3.0	33.3
N15331	N12438/N12468	15	28.6	21.3	48.0	101.0	1.0	49.0	5.5	4.5	50.4
I13445	PS08-039-A-5	8	26.6	35.2	44.0	102.0	2.0	51.0	5.5	3.5	39.3
B04554	B00103*/X00822, <b>ZORRO</b>	20	26.0	23.9	48.0	98.0	1.0	49.0	5.1	4.0	44.0
I81010	JAPON3/MAGDALENE, <b>BUNSI</b>	10	25.0	23.7	44.0	99.0	1.1	47.0	4.1	4.0	44.4
B15451	B11371/B11363	22	24.5	23.6	49.0	103.0	1.0	51.0	5.7	3.3	37.0
N11283	MEDALIST/N08003, <b>ALPENA</b>	13	23.0	20.7	48.0	101.0	1.0	51.0	5.5	3.5	39.3
B16506	B11363//Alpena*/B09197	24	22.8	25.4	49.0	103.0	1.0	51.5	5.5	2.5	28.2
N14229	N11275/N11256	1	22.7	20.5	47.0	100.0	1.0	52.0	6.1	4.0	44.0
N16401	N09175/Alpena	17	21.3	23.0	45.0	98.0	1.0	47.5	5.0	5.5	61.5
I17551	SR16-5	7	20.3	44.3	43.0	95.0	1.0	45.3	4.0	2.3	25.9
N14218	N11256/N11298	14	19.8	21.2	49.0	102.0	1.3	51.0	5.0	3.7	40.7
I96417	<b>G122</b>	12	18.4	46.0	41.0	107.0	2.1	49.0	3.1	4.0	44.4
R16503	R12859/R13506	9	18.4	36.6	48.0	105.0	1.0	52.5	5.5	3.0	33.7
R98026	R94037/R94161, <b>MERLOT</b>	28	17.6	40.3	42.0	100.0	1.5	51.0	4.0	5.0	55.9
I17550	NDZ14083	6	16.4	41.0	41.0	96.0	1.7	44.0	4.0	2.7	29.6
N15341	N12468/N12466	16	15.7	23.5	49.0	102.0	0.9	50.5	5.5	5.0	55.5
I89011	RB, <b>BERYL</b>	11	14.7	34.2	42.0	95.0	3.0	41.7	3.0	4.3	48.1
R12844	SR9-5/R09508, <b>CAYENNE</b>	4	14.4	40.7	44.0	98.0	1.1	49.0	5.1	3.0	33.3
I17552	NE5-16-101	29	12.4	44.5	47.0	110.0	5.0	44.5	2.6	3.5	38.5
K15601	K11306/K11916	33	11.2	57.5	39.0	98.0	1.0	48.5	5.0	3.0	33.7
K90101	CHAR/2*MONT, <b>RED HAWK</b>	31	10.5	63.5	38.0	97.0	0.9	46.0	3.9	2.5	28.2
I17553	NE5-16-98	30	9.3	38.7	47.0	110.0	5.0	43.0	2.3	3.7	40.7
K11306	K06621/USDK-CBB-15, <b>RED CEDAR</b>	32	6.9	57.8	38.0	99.0	1.0	49.0	5.1	2.0	21.8
K08961	K04604/USDK-CBB-15, <b>SNOWDON</b>	34	2.7	69.4	40.0	97.0	0.9	47.0	3.9	2.1	23.0
K15901	K11714/K11914	35	2.6	62.7	38.0	95.0	0.9	44.5	4.0	1.0	11.1
MEAN(35)			22.2	35.7	44.9	100.0	1.5	49.0	4.9	3.5	39.1
LSD(.05)			4.4	1.6	2.1	2.2	0.3	2.4	0.7	1.1	12.4
CV%			14.6	3.3	3.4	1.6	12.6	3.6	10.6	23.3	23.3

EXPERIMENT 7219 IOWA STATE YIELD TRIAL						PLANTED: 6/13/17		
NAME	ENTRY	YIELD CWT	100 SEED	DAYS TO	DAYS TO	LODGING	HEIGHT	DES.
		/ACRE	WT. (g)	FLOWER	MATURITY	(1-5)	(cm)	SCORE
MY 06326	4	58.6	54.1	39.0	101.0	2.0	48.0	4.0
TAURUS	2	50.5	46.4	41.0	101.0	3.0	51.3	4.0
ECLIPSE	3	45.1	25.8	42.0	97.0	1.0	49.3	5.0
MONTCALM	1	37.3	67.3	35.0	104.0	1.3	47.7	4.0
MEAN(4)		47.9	48.4	39.5	100.8	1.8	49.1	4.3
LSD(.05)		3.3	1.3	0.8	0.9	0.5	1.1	-
CV%		4.2	1.7	1.3	0.6	15.7	1.4	-

**EXPERIMENT 7220 YELLOW BEAN ROOT ROT TRIAL****PLANTED: 6/14/17**

<b>NAME</b>	<b>PEDIGREE</b>	<b>ENTRY</b>	<b>YIELD CWT /ACRE</b>	<b>100 SEED WT. (g)</b>	<b>DAYS TO FLOWER</b>	<b>DAYS TO MATURITY</b>	<b>LODGING (1-5)</b>	<b>HEIGHT (cm)</b>	<b>DES. SCORE</b>
Y16503	Y11405/UC Canario 707	5	36.2	49.4	41.0	102.0	3.7	49.0	5.5
Y17501	Y11405/PR1146-123 (oblong)	3	32.6	59.5	41.0	98.0	5.5	46.5	5.0
Y17502	Y11405/PR1146-123 (round)	4	27.9	52.2	41.0	98.0	1.0	47.0	5.0
Y11405	FR-07-AZP-14-06	2	27.1	59.8	41.0	100.0	3.5	48.5	5.0
I14515	DBY-60-1, <b>PATRON</b>	1	24.2	55.8	42.0	99.0	1.6	47.8	4.9
Y16507	PR1146-123/Y11405	6	22.5	42.7	42.0	96.0	3.7	45.8	4.9
MEAN(6)			28.4	53.2	41.3	98.4	3.2	47.4	5.1
LSD(.05)			2.9	3.2	0.0	1.4	0.0	0.6	0.6
CV(%)			4.7	3.0	0.5	0.7	47.3	0.7	5.4