

ID #	Group	Cultivar	2020 Nursery Data				2021 Field Data		Caliper Difference	Height Difference
			Seed Weight (Oz.)	Caliper (In.)	Aerial Height (in.)	Root Length (in.)	Fall Caliper (In.)	Fall Aerial Height (In.)		
6002	6	Dunstan	0.77	0.256	19	5.25	0.213	20.000	-0.043	1.000
6003	6	Dunstan	0.79	0.183	25.625	6	0.246	29.500	0.063	3.875
6004	6	Dunstan	0.59	0.262	22.75	5	0.254	24.750	-0.008	2.000
6005	6	Dunstan	0.71	0.316	26.875	5.5	0.281	28.250	-0.034	1.375
6006	6	Dunstan	0.76	0.252	26.125	5	0.305	32.500	0.053	6.375
6014	6	Dunstan	0.58	0.268	18.375	6.25	0.265	32.750	-0.002	14.375
6016	6	Dunstan	0.75	0.228	21.125	6	0.220	30.625	-0.008	9.500
6019	6	Dunstan	0.77	0.272	20	5	0.273	21.125	0.002	1.125
6020	6	Dunstan	0.71	0.235	25.25	5.25	0.219	30.000	-0.015	4.750
6024	6	Dunstan	0.85	0.236	23.875	6	0.240	29.250	0.004	5.375
6025	6	Dunstan	0.9	0.206	19.125	6.5	0.229	28.125	0.023	9.000
6027	6	Dunstan	0.77	0.288	22.4375	4	0.291	28.375	0.003	5.938
6028	6	Dunstan	0.7	0.242	24.3125	7	0.278	31.000	0.037	6.688
6030	6	Dunstan	0.55	0.271	22.75	6	0.256	30.500	-0.014	7.750
6031	6	Dunstan	0.62	0.307	28.5	8	0.283	35.250	-0.024	6.750
6032	6	Dunstan	0.7	0.244	21	6	0.217	35.375	-0.027	14.375
6034	6	Dunstan	0.7	0.186	19.125	6	DEAD			
6035	6	Dunstan	0.92	0.257	23.875	6	0.237	30.875	-0.020	7.000
6036	6	Dunstan	0.81	0.303	23.75	6.5	0.262	29.750	-0.041	6.000
6041	6	Dunstan	0.78	0.310	23.125	5.5	0.263	28.500	-0.047	5.375
6045	6	Dunstan	0.82	0.300	24.875	5.5	0.248	27.000	-0.052	2.125
6046	6	Dunstan	0.74	0.332	24.75	5.75	0.230	28.000	-0.101	3.250
6048	6	Dunstan	0.64	0.215	19	5.5	0.299	20.000	0.084	1.000
6049	6	Dunstan	0.76	0.186	17.25	5.75	0.149	21.500	-0.037	4.250
6051	6	Dunstan	0.65	0.239	18.875	5.75	0.250	27.000	0.012	8.125
6052	6	Dunstan	0.53	0.268	21.875	6.25	0.300	24.000	0.033	2.125
6054	6	Dunstan	0.73	0.229	16.75	5	0.265	18.250	0.036	1.500
6056	6	Dunstan	0.81	0.313	27.625	5	0.292	44.125	-0.021	16.500
6057	6	Dunstan	0.83	0.237	19	5.25	0.223	20.625	-0.014	1.625
6058	6	Dunstan	0.58	0.270	21.4375	6	0.267	31.875	-0.003	10.438
6061	6	Dunstan	0.73	0.249	22.25	5.25	0.259	25.000	0.010	2.750
6062	6	Dunstan	0.69	0.189	21.125	6.5	0.280	22.125	0.092	1.000
6063	6	Dunstan	0.76	0.282	17.125	6.5	0.252	28.875	-0.030	11.750
6064	6	Dunstan	0.71	0.276	18	5.25	0.200	19.375	-0.076	1.375
6065	6	Dunstan	0.56	0.235	19.875	5.75	0.202	29.500	-0.032	9.625
6066	6	Dunstan	0.63	5.250	24.1875	0.2595	0.233	27.875	-5.017	3.688
6068	6	Dunstan	0.6	0.314	21.5625	5	0.178	22.625	-0.136	1.063
6069	6	Dunstan	0.74	0.240	25.8125	6	0.265	29.000	0.025	3.188
6071	6	Dunstan	0.71	0.339	24.25	6	0.248	33.875	-0.091	9.625
6072	6	Dunstan	0.62	0.266	20.75	4.75	0.303	25.000	0.037	4.250
6073	6	Dunstan	0.65	0.236	21.125	4.5	0.214	27.000	-0.022	5.875
6074	6	Dunstan	0.69	0.231	17.375	6.25	0.237	27.500	0.007	10.125
6075	6	Dunstan	0.7	0.235	20.625	6	0.269	28.500	0.035	7.875
6078	6	Dunstan	0.74	0.274	20.75	7	0.296	32.500	0.022	11.750
6079	6	Dunstan	0.58	0.221	21.75	5	0.234	35.000	0.014	13.250
6080	6	Dunstan	0.79	0.309	23.625	7	0.260	31.000	-0.049	7.375
6084	6	Dunstan	0.73	0.302	21	5.75	0.252	32.125	-0.050	11.125
6085	6	Dunstan	0.74	0.265	20.75	6.25	0.247	23.000	-0.017	2.250
6086	6	Dunstan	0.9	0.279	22.25	5	0.248	31.250	-0.031	9.000
6087	6	Dunstan	0.78	0.269	24	6	0.248	25.625	-0.021	1.625
6091	6	Dunstan	0.72	0.236	19.75	5.5	0.213	26.500	-0.022	6.750
6092	6	Dunstan	0.78	0.252	22.5	6	0.220	27.750	-0.032	5.250
6093	6	Dunstan	0.77	0.239	22.5625	5.25	0.217	31.500	-0.022	8.938
6096	6	Dunstan	0.75	0.359	25.375	6	0.233	28.125	-0.126	2.750
6097	6	Dunstan	0.79	0.300	24.75	4.75	0.262	29.875	-0.038	5.125
6100	6	Dunstan	0.77	0.244	18.25	6	0.211	19.625	-0.033	1.375
6102	6	Dunstan	0.66	0.277	26	5.25	0.237	28.125	-0.039	2.125
6103	6	Dunstan	0.73	0.261	15.25	5.75	0.312	17.250	0.052	2.000
6104	6	Dunstan	0.59	0.261	26.1667	5.5	0.212	29.125	-0.049	2.958
6105	6	Dunstan	0.7	0.273	19.575	6	0.218	20.500	-0.055	0.925
6109	6	Dunstan	0.74	0.269	22.625	6	0.257	29.000	-0.012	6.375
6111	6	Dunstan	0.71	0.298	25.125	6	0.214	34.125	-0.084	9.000
6112	6	Dunstan	0.73	0.318	26.75	6	0.304	32.375	-0.014	5.625
6113	6	Dunstan	0.75	0.259	15.375	5.5	0.198	29.500	-0.061	14.125
6116	6	Dunstan	0.63	0.316	20.75	5.5	0.323	30.375	0.007	9.625
6118	6	Dunstan	0.92	0.304	22.25	6	0.181	30.750	-0.122	8.500
6122	6	Dunstan	0.76	0.279	24.25	5.25	0.219	26.125	-0.060	1.875
6123	6	Dunstan	0.68	0.273	24.875	8	0.227	27.250	-0.046	2.375
6124	6	Dunstan	0.76	0.260	14	6	0.185	17.500	-0.075	3.500
9001	9	Kohr	0.77	0.248	19.375	9	0.279	33.875	0.031	14.500
9002	9	Kohr	0.53	0.231	21	9	0.247	30.750	0.016	9.750

2020 Nursery Data							2021 Field Data		Caliper Difference	Height Difference
ID #	Group	Cultivar	Seed Weight (Oz.)	Caliper (In.)	Aerial Height (in.)	Root Length (in.)	Fall Caliper (In.)	Fall Aerial Height (In.)		
9003	9	Kohr	0.72	0.241	23.5	9	0.241	26.250	0.000	2.750
9005	9	Kohr	0.74	0.197	18.5	9	0.265	30.250	0.068	11.750
9006	9	Kohr	0.85	0.264	25.25	9	0.234	31.125	-0.030	5.875
9007	9	Kohr	0.79	0.257	32	9	0.272	33.375	0.015	1.375
9008	9	Kohr	0.76	0.285	24.375	8.75	0.285	24.500	0.000	0.125
9012	9	Kohr	0.89	0.384	28.75	11	0.414	35.500	0.030	6.750
9013	9	Kohr	0.54	0.083	6.75	5.5	0.349	17.625	0.266	10.875
9014	9	Kohr	0.61	0.315	24	9	0.348	36.5	0.033	12.5
9015	9	Kohr	0.73	0.282	21.875	9.5	0.259	36.750	-0.022	14.875
9016	9	Kohr	0.73	0.332	25.25	9	0.337	32.250	0.005	7.000
9018	9	Kohr	0.85	0.307	26.875	9	0.258	40.125	-0.049	13.250
9019	9	Kohr	0.8	0.915	25	9	0.331	32.250	-0.584	7.250
9020	9	Kohr	0.9	0.339	26.5	9	0.313	32.500	-0.026	6.000
9022	9	Kohr	0.48	0.269	18.5	9	0.270	28.125	0.001	9.625
9023	9	Kohr	0.84	0.301	14.875	9	0.241	30.875	-0.060	16.000
9024	9	Kohr	0.95	0.207	12.25	9	0.198	20.000	-0.009	7.750
9025	9	Kohr	0.85	0.374	21.25	9	0.272	33.750	-0.102	12.500
9031	9	Kohr	0.78	0.358	19.75	9	0.293	21.250	-0.065	1.500
9032	9	Kohr	0.77	0.292	20.25	9	0.209	23.000	-0.082	2.750
9035	9	Kohr	0.65	0.265	21.75	9	0.207	32.875	-0.058	11.125
9037	9	Kohr	0.85	0.259	26.75	9	0.283	30.875	0.024	4.125
9038	9	Kohr	0.81	0.266	19	7	0.149	19.500	-0.117	0.500
9039	9	Kohr	0.82	0.342	14	11	0.277	31.625	-0.065	17.625
9044	9	Kohr	0.8	0.246	23	9	0.285	35.000	0.039	12.000
9045	9	Kohr	0.47	0.210	18.5	9	0.376	28.875	0.166	10.375
9048	9	Kohr	0.52	0.313	25.75	9	0.286	31.250	-0.026	5.500
9049	9	Kohr	0.75	0.228	21	9	0.201	23.750	-0.027	2.750
9050	9	Kohr	0.52	0.229	19	10	0.214	27.500	-0.015	8.500
9051	9	Kohr	0.64	0.263	22.75	9	0.270	32.000	0.008	9.250
9052	9	Kohr	0.7	0.289	25.5	9	0.251	27.625	-0.038	2.125
9057	9	Kohr	0.84	0.252	17.375	8.5	0.268	28.750	0.016	11.375
9058	9	Kohr	0.74	0.240	17.75	9	0.347	36.000	0.107	18.250
9060	9	Kohr	0.73	0.309	25.25	9	0.298	31.500	-0.011	6.250
9062	9	Kohr	0.73	0.258	23.375	8.75	0.263	32.500	0.005	9.125
9064	9	Kohr	0.69	0.338	24.75	9	0.291	30.750	-0.047	6.000
9065	9	Kohr	0.53	0.235	21.25	9	0.233	32.000	-0.002	10.750
9066	9	Kohr	0.83	0.317	22.125	9	0.252	34.125	-0.065	12.000
9067	9	Kohr	0.66	0.263	23.625	9	0.234	29.500	-0.029	5.875
9068	9	Kohr	1.03	0.305	29.125	9	0.260	30.000	-0.044	0.875
9071	9	Kohr	0.77	0.250	18.875	9	0.200	19.750	-0.050	0.875
9074	9	Kohr	0.95	0.259	18.625	9	0.248	23.750	-0.010	5.125
9076	9	Kohr	0.61	0.271	25.5	9	0.347	28.250	0.076	2.750
9077	9	Kohr	1	0.232	17.75	8.75	0.219	19.000	-0.013	1.250
9078	9	Kohr	0.73	0.273	23.75	9	0.280	32.500	0.007	8.750
9081	9	Kohr	0.86	0.250	21.5	9	0.317	30.375	0.067	8.875
9082	9	Kohr	0.6	0.269	18.5	9	0.222	31.125	-0.047	12.625
9083	9	Kohr	0.52	0.294	30.125	9	0.221	33.500	-0.073	3.375
9084	9	Kohr	0.81	0.333	26.25	8	0.337	34.125	0.004	7.875
9085	9	Kohr	0.52	0.269	23.75	9	0.243	27.375	-0.026	3.625
9086	9	Kohr	0.51	0.281	22.75	9	0.222	26.375	-0.059	3.625
9087	9	Kohr	0.49	0.330	22.75	9	0.234	31.500	-0.096	8.750
9088	9	Kohr	0.88	0.333	27.25	9	0.326	31.500	-0.007	4.250
9089	9	Kohr	0.83	0.283	22.875	9.5	0.343	34.000	0.060	11.125
9090	9	Kohr	0.85	0.310	23.275	9	0.335	33.125	0.025	9.850
9091	9	Kohr	0.66	0.350	32	9	0.348	45.500	-0.001	13.500
9093	9	Kohr	0.54	0.335	24	8	0.238	25.500	-0.097	1.500
9097	9	Kohr	0.77	0.274	15.25	8.5	0.229	17.000	-0.045	1.750
9098	9	Kohr	0.58	0.243	21.375	9	0.217	23.25	-0.025	1.875
9099	9	Kohr	0.76	0.280	25.125	6.5	0.366	27.750	0.087	2.625
9100	9	Kohr	0.83	0.314	24.25	9	0.246	27.000	-0.068	2.750
9101	9	Kohr	0.54	0.283	22	9.5	0.271	28.000	-0.012	6.000
9102	9	Kohr	0.9	0.241	22.5	7.5	0.279	27.000	0.038	4.500
9104	9	Kohr	0.9	0.279	29.125	8.75	0.274	33.5	-0.005	4.375
9107	9	Kohr	0.83	0.294	28.9375	9	0.281	30.125	-0.013	1.188
9109	9	Kohr	0.64	0.245	20.75	9.5	0.276	32.375	0.031	11.625
9110	9	Kohr	0.77	0.223	20.875	9	0.262	34.750	0.039	13.875
9112	9	Kohr	0.49	0.276	20.25	8	0.254	31.625	-0.022	11.375
9113	9	Kohr	0.7	0.236	21.75	7	0.246	32.625	0.010	10.875
9114	9	Kohr	0.95	0.279	24	8	0.376	31.125	0.097	7.125
9115	9	Kohr	0.7	0.332	25.5	8.75	0.301	33.000	-0.030	7.500
9116	9	Kohr	0.57	0.198	15.25	7.75	0.193	27.750	-0.005	12.500

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9117	9	Kohr	0.59	0.252	21.375	8.75	0.265	28.375	0.013	7.000	
9118	9	Kohr	0.56	0.250	28.1667	8	0.275	31.625	0.025	3.458	
9119	9	Kohr	0.47	0.230	21.25	9	0.239	25.000	0.009	3.750	
9126 (I	9	Kohr	0.65	0.317	17.25	9.5	0.282	29.500	-0.035	12.250	
9128(F	9	Kohr	0.43	0.265	15	8.5	0.213	28.500	-0.052	13.500	
12002	12	Gideon	0.58	0.299	16.5	12	0.335	28.000	0.036	11.500	
12004	12	Gideon	0.61	0.364	21.75	11	0.305	34.250	-0.058	12.500	
12005	12	Gideon	0.47	0.313	16.375	12	0.270	28.250	-0.043	11.875	
12007	12	Gideon	0.46	0.258	16.5	10.75	0.219	30.375	-0.039	13.875	
12009	12	Gideon	0.58	0.252	15.8125	12	0.281	29.000	0.029	13.188	
12013	12	Gideon	0.74	0.272	16.125	12	0.323	27.625	0.051	11.500	
12014	12	Gideon	0.5	0.261	22.815	13	0.153	25.000	-0.108	2.185	
12015	12	Gideon	0.63	0.275	15.625	11.25	0.310	30.125	0.035	14.500	
12016	12	Gideon	0.68	0.317	18.875	12	0.300	33.375	-0.016	14.500	
12017	12	Gideon	0.63	0.273	18.875	11.75	0.221	33.750	-0.051	14.875	
12019	12	Gideon	0.78	0.341	19.8125	12	0.257	27.500	-0.083	7.688	
12020	12	Gideon	0.71	0.311	17.5	11.5	0.204	27.125	-0.107	9.625	
12022	12	Gideon	0.67	0.368	18.325	11	0.357	34.500	-0.010	16.175	
12024	12	Gideon	0.59	0.323	16.125	11.5	0.257	28.875	-0.066	12.750	
12025	12	Gideon	0.57	0.273	19.125	12	0.242	27.125	-0.031	8.000	
12026	12	Gideon	0.63	0.343	18.5	11.75	0.329	28.500	-0.014	10.000	
12027	12	Gideon	0.53	0.342	19.5	11.25	0.335	31.750	-0.007	12.250	
12030	12	Gideon	0.85	0.343	22.25	11.25	0.247	31.375	-0.096	9.125	
12031	12	Gideon	0.79	0.297	14	12	0.248	21.250	-0.048	7.250	
12034	12	Gideon	0.48	0.208	18	12	0.260	28.500	0.052	10.500	
12036	12	Gideon	0.67	0.244	14.375	11.5	0.237	30.125	-0.007	15.750	
12037	12	Gideon	0.73	0.284	17.167	11	0.246	29.875	-0.038	12.708	
12038	12	Gideon	0.59	0.243	21.5	12	0.248	31.875	0.005	10.375	
12039	12	Gideon	0.61	0.267	19.25	10.5	0.267	29.125	0.000	9.875	
12040	12	Gideon	0.61	0.255	15.25	11	0.169	23.500	-0.086	8.250	
12041	12	Gideon	0.55	0.210	12.75	11.5	0.181	27.000	-0.029	14.250	
12043	12	Gideon	0.65	0.215	15.5	9	0.244	29.500	0.029	14.000	
12044	12	Gideon	0.66	0.246	15.625	11.75	0.262	27.000	0.016	11.375	
12046	12	Gideon	0.54	0.323	18.75	12	0.293	30.125	-0.029	11.375	
12047	12	Gideon	0.81	0.281	18	13.25	0.338	36.250	0.057	18.250	
12049	12	Gideon	0.57	0.389	19.625	10.75	0.278	29.875	-0.110	10.250	
12054	12	Gideon	0.6	0.226	14.625	12	0.255	18.250	0.029	3.625	
12055	12	Gideon	0.62	0.185	14.1875	10.5	0.190	17.250	0.005	3.063	
12056	12	Gideon	0.68	0.283	13.1667	10.5	0.250	26.250	-0.033	13.083	
12058	12	Gideon	0.72	0.327	20.0625	12.25	0.347	29.500	0.020	9.438	
12059	12	Gideon	0.66	0.334	21.9375	11	0.256	31.000	-0.078	9.063	
12060	12	Gideon	0.55	0.061	22.625	12	0.263	23.500	0.202	0.875	
12063	12	Gideon	0.58	0.192	15.5	10.75	0.226	28.000	0.034	12.500	
12066	12	Gideon	0.65	0.371	23.25	10.5	0.275	32.125	-0.096	8.875	
12067	12	Gideon	0.48	0.312	20.5	11.25	0.306	30.375	-0.006	9.875	
12069	12	Gideon	0.63	0.229	12.5	11.25	0.241	13.250	0.012	0.750	
12070	12	Gideon	0.71	0.307	21.25	10	0.328	30.375	0.021	9.125	
12071	12	Gideon	0.73	0.306	19.75	10.5	0.236	29.000	-0.070	9.250	
12073	12	Gideon	0.7	0.256	16	13	0.373	31.625	0.117	15.625	
12074	12	Gideon	0.56	0.223	14.375	11.5	0.210	25.625	-0.012	11.250	
12076	12	Gideon	0.7	0.286	20.125	11.5	0.311	27.375	0.025	7.250	
12078	12	Gideon	0.49	0.063	18.625	14	0.275	31.750	0.212	13.125	
12079	12	Gideon	0.81	0.245	22.125	9.75	0.279	23.500	0.034	1.375	
12081	12	Gideon	0.55	0.257	15.25	11.5	0.235	24.375	-0.021	9.125	
12082	12	Gideon	0.69	0.243	14.25	12	0.218	29.875	-0.024	15.625	
12084	12	Gideon	0.55	0.231	17.875	12.5	0.264	29.750	0.033	11.875	
12085	12	Gideon	0.49	0.062	15.5	13	0.247	31.500	0.185	16.000	
12086	12	Gideon	0.7	0.435	26	10.5	0.206	29.375	-0.229	3.375	
12087	12	Gideon	0.74	0.359	21.9375	11.5	0.338	31.375	-0.021	9.438	
12089	12	Gideon	0.6	0.236	14.875	12	0.308	27.000	0.072	12.125	
12092	12	Gideon	0.58	0.222	14.5	9.5	0.299	35.375	0.077	20.875	
12093	12	Gideon	0.52	0.293	21.875	11.25	0.293	29.000	0.001	7.125	
12094	12	Gideon	0.51	0.249	21.75	10.25	0.227	26.375	-0.021	4.625	
12096	12	Gideon	0.54	0.339	24.25	12	0.332	31.250 [1]	-0.006	7.000	
12097	12	Gideon	0.68	0.299	15.25	10.5	0.220	16.250	-0.079	1.000	
12098	12	Gideon	0.56	0.295	25	11.25	0.301	27.125	0.007	2.125	
12099	12	Gideon	0.69	0.350	22	12	0.315	31.500	-0.035	9.500	
12100	12	Gideon	0.66	0.304	17.75	11.25	0.222	20.250	-0.081	2.500	
12102	12	Gideon	0.56	0.347	16.375	11	0.333	35.500	-0.014	19.125	
12103	12	Gideon	0.77	0.340	22.625	11	0.249	28.500	-0.091	5.875	
12104	12	Gideon	0.52	0.243	14.25	12	0.256	29.875	0.014	15.625	

2020 Nursery Data								2021 Field Data			
ID #	Group	Cultivar	Seed Weight (Oz.)	Caliper (In.)	Aerial Height (in.)	Root Length (in.)	Fall Caliper (In.)	Fall Aerial Height (In.)	Caliper Difference	Height Difference	
12107	12	Gideon	0.45	0.305	19	12	0.294	27.000	-0.011	8.000	
12111	12	Gideon	0.76	0.244	16.625	10	0.220	30.000	-0.024	13.375	
12115	12	Gideon	0.69	0.242	16.5	11.5	0.242	27.000	0.001	10.500	
12117	12	Gideon	0.55	0.243	17.625	11.5	DEAD				
12118	12	Gideon	0.86	0.311	19	13	0.274	31.500	-0.037	12.500	
12119	12	Gideon	0.63	0.230	18.125	11.5	0.252	27.750	0.022	9.625	
12122	12	Gideon	0.57	0.293	23.5	11	0.275	29.250	-0.018	5.750	
12123	12	Gideon	0.5	0.343	20.5	11.25	0.298	30.500	-0.044	10.000	
15003	15	Payne	0.55	0.316	17	11	0.277	29.125	-0.039	12.125	
15004	15	Payne	0.56	0.326	14.125	12	0.253	27.000	-0.073	12.875	
15005	15	Payne	0.58	0.265	13.25	13.5	0.257	37.875	-0.008	24.625	
15006	15	Payne	0.58	0.250	16.5	14.25	0.281	36.000	0.032	19.500	
15008	15	Payne	0.52	0.325	11.25	13.75	0.347	29.000	0.022	17.750	
15009	15	Payne	0.58	0.254	11.75	15	0.230	26.000	-0.024	14.250	
15011	15	Payne	0.74	0.406	20.125	13.5	0.462	34.875	0.056	14.75	
15013	15	Payne	0.64	0.268	16.875	14	0.246	33.500	-0.022	16.625	
15014	15	Payne	0.58	0.237	13.875	13	0.346	33.125	0.109	19.25	
15015	15	Payne	0.59	0.226	17.125	12	0.284	30.500	0.058	13.375	
15016	15	Payne	0.66	0.292	13.375	12	0.309	31.000	0.018	17.625	
15017	15	Payne	0.61	0.281	19	11.5	0.285	33.875	0.004	14.875	
15018	15	Payne	0.51	0.214	16.375	13	0.213	32.750	-0.001	16.375	
15020	15	Payne	0.67	0.292	15.375	13	0.269	15.500	-0.023	0.125	
15021	15	Payne	0.65	0.276	18.375	13.5	0.266	33.125	-0.009	14.750	
15023	15	Payne	0.88	0.270	13.375	10.75	0.224	14.125	-0.046	0.750	
15025	15	Payne	0.44	0.277	13.5	12	0.196	31.500	-0.081	18.000	
15027	15	Payne	0.51	0.293	15.375	12.25	0.165	15.875	-0.128	0.500	
15029	15	Payne	0.54	0.243	15.8125	13	0.247	28.500	0.004	12.688	
15030	15	Payne	0.46	0.287	16.5	12	0.238	29.500	-0.049	13.000	
15032	15	Payne	0.79	0.342	20.5	12.5	0.242	34.000	-0.100	13.500	
15036	15	Payne	0.63	0.272	14.5	14	0.256	27.000	-0.016	12.500	
15037	15	Payne	0.62	0.270	15.625	15	0.253	32.500	-0.017	16.875	
15038	15	Payne	0.55	0.222	13.125	13	0.242	30.250	0.021	17.125	
15041	15	Payne	0.68	0.348	17.625	14	0.214	34.250	-0.134	16.625	
15042	15	Payne	0.65	0.346	14.625	12	0.277	26.375	-0.069	11.750	
15043	15	Payne	0.59	0.230	15.375	12.5	0.260	27.625	0.030	12.250	
15045	15	Payne	0.73	0.267	13.125	12	0.243	30.125	-0.024	17.000	
15046	15	Payne	0.69	0.317	17.75	13	0.313	31.500	-0.004	13.750	
15047	15	Payne	0.75	0.277	13.875	12.25	0.289	30.375	0.012	16.500	
15054	15	Payne	0.58	0.310	19.375	12.5	0.294	30.125	-0.016	10.750	
15061	15	Payne	0.59	0.230	16.125	14	0.258	30.000	0.028	13.875	
15063	15	Chandler	0.56	0.304	16.75	13	0.285	26.500	-0.018	9.750	
15066	15	Chandler	0.58	0.339	15.625	12	0.249	29.500	-0.089	13.875	
15067	15	Chandler	0.6	0.308	19.875	14.75	0.252	31.500	-0.056	11.625	
15068	15	Chandler	0.54	0.316	20	13.75	0.291	31.875	-0.025	11.875	
15073	15	Chandler	0.56	0.312	18.875	15	0.248	32.875	-0.064	14.000	
15075	15	Chandler	0.71	0.308	21	13.25	0.285	31.375	-0.023	10.375	
15076	15	Chandler	0.45	0.286	18	13.25	0.220	27.250	-0.065	9.250	
15077	15	Chandler	0.48	0.166	17.1875	12.75	0.237	32.625	0.071	15.438	
15078	15	Chandler	0.6	0.281	19.25	13	0.361	25.875	0.081	6.625	
15079	15	Chandler	0.52	0.320	14.375	11	0.211	30.250	-0.108	15.875	
15080	15	Chandler	0.63	0.288	19.875	13.25	0.272	28.250	-0.015	8.375	
15081	15	Chandler	0.57	0.297	19.625	13.75	0.335	33.625	0.038	14.000	
15082	15	Chandler	0.49	0.274	15	13.5	0.266	31.375	-0.008	16.375	
15083	15	Chandler	0.52	0.246	18.25	13.5	0.252	24.125	0.006	5.875	
15084	15	Chandler	0.57	0.183	12.25	15	0.211	29.000	0.028	16.750	
15085	15	Chandler	0.51	0.325	16.625	13.75	0.289	34.750	-0.036	18.125	
15087	15	Chandler	0.55	0.285	14.125	13.25	0.289	26.000	0.005	11.875	
15088	15	Chandler	0.7	0.277	16	12	0.328	29.375	0.052	13.375	
15090	15	Chandler	0.46	0.277	15.375	10.25	0.281	32.75	0.005	17.375	
15093	15	Chandler	0.56	0.246	19.625	11.5	0.263	27.250	0.018	7.625	
15094	15	Chandler	0.57	0.310	20	13	0.237	28.875	-0.072	8.875	
15095	15	Chandler	0.52	0.284	14.375	11	0.243	32.500	-0.040	18.125	
15096	15	Chandler	0.48	0.336	20.875	15	0.284	32.500	-0.052	11.625	
15099	15	Chandler	0.5	0.277	18.25	14	0.254	28.500	-0.023	10.250	
15100	15	Chandler	0.47	0.277	19.5	12.75	0.292	30.000	0.015	10.500	
15101	15	Chandler	0.45	0.310	16	13.25	0.259	43.500	-0.051	27.500	
15102	15	Chandler	0.66	0.296	14	10	DEAD				
15107	15	Chandler	0.45	0.284	15.25	12	0.276	32.500	-0.008	17.250	
15108	15	Chandler	0.64	0.271	16.75	10.5	0.322	30.125	0.052	13.375	
15111	15	Chandler	0.47	0.311	18.125	9.5	0.311	31.250 [2]	0.000	13.125	

ID #	Group	Cultivar	2020 Nursery Data				2021 Field Data		Caliper Difference	Height Difference
			Seed Weight (Oz.)	Caliper (In.)	Aerial Height (in.)	Root Length (in.)	Fall Caliper (In.)	Fall Aerial Height (In.)		
15113	15	Chandler	0.49	0.249	12.625	12.25	0.284	32.000	0.035	19.375
15115	15	Chandler	0.65	0.300	14.875	13	0.328	23.625	0.028	8.750
15120	15	Chandler	0.55	0.321	18.75	14	0.263	24.750	-0.058	6.000
15123	15	Chandler	0.58	0.256	16.875	12.5	0.283	31.500	0.027	14.625
15124	15	Chandler	0.57	0.291	13.375	13.5	0.402	31.375	0.111	18.000
15125	15	Chandler	0.56	0.277	18.5	13.5	0.357	35.250	0.081	16.750
J (1511	15	Chandler	0.53	0.238	13	14	0.382	31.875	0.144	18.875
L (1511	15	Chandler	0.56	0.267	18.875	12.25	0.306	33.125	0.039	14.250
30002	24	Peach	0.47	0.338	20	18	0.331	31.000	-0.006	11.000
30003	24	Peach	0.76	0.291	14.875	16	0.217	29.250	-0.074	14.375
30004	24	Peach	0.46	0.242	17.25	14.5	0.246	27.625	0.005	10.375
30006	24	Peach	0.54	0.293	19	21.5	0.292	34.875	-0.001	15.875
30010	24	Peach	0.53	0.177	13.5	18.5	0.183	28.625	0.007	15.125
30013	24	Peach	0.4	0.236	16.25	20.5	0.254	28.500	0.018	12.250
30014	24	Peach	0.63	0.260	18.375	15	0.298	18.625 [3]	0.038	0.250
30015	24	Peach	0.59	0.292	16	14	0.236	21.250	-0.056	5.250
30016	24	Peach	0.56	0.300	15.625	20	0.257	23.000	-0.042	7.375
30018	24	Gideon	0.76	0.360	19.375	15.75	0.267	31.000	-0.093	11.625
30021	24	Chandler	0.47	0.271	16.125	20	0.341	20.500	0.070	4.375
30024	24	Chandler	0.46	0.278	19.5	10.75	0.248	31.500	-0.030	12.000
30025	24	Chandler	0.6	0.306	16.25	13.75	0.274	35.000	-0.031	18.750
30026	24	Chandler	0.58	0.308	18.4375	18	0.268	28.000	-0.040	9.563
30027	24	Chandler	0.43	0.269	14.5	14	0.309	28.750	0.040	14.250
30028	24	Chandler	0.56	0.293	16.125	20.25	0.236	28.375	-0.057	12.250
30029	24	Chandler	0.66	0.266	11.375	14.5	0.243	26.000	-0.023	14.625
30030	24	Chandler	0.52	0.281	16.75	23	0.259	26.750	-0.022	10.000
30032	24	Chandler	0.46	0.363	19	14.5	0.246	30.750	-0.116	11.750
30033	24	Chandler	0.45	0.284	18.625	15	0.276	29.000	-0.008	10.375
30034	24	Chandler	0.55	0.376	23.375	19.75	0.377	29.500	0.002	6.125
30035	24	Chandler	0.48	0.309	18.125	17.25	0.314	30.375	0.005	12.250
30036	24	Chandler	0.41	0.320	22.6875	22.5	0.298	32.125	-0.022	9.438
30037	24	Chandler	0.63	0.311	20.625	17.25	0.379	32.500	0.068	11.875
30038	24	Chandler	0.43	0.276	21.25	21.75	0.245	29.625	-0.031	8.375
30039	24	Chandler	0.54	0.276	19.375	16.5	0.226	34.375	-0.050	15.000
30041	24	Payne	0.56	0.236	18.5	17.25	0.258	32.500	0.022	14.000
30042	24	Payne	0.67	0.346	19	23	0.281	27.500	-0.065	8.500
30043	24	Payne	0.51	0.216	14.5	23.5	0.208	25.500	-0.008	11.000
30044	24	Payne	0.5	0.219	17.875	21.75	0.249	31.125	0.030	13.250
30045	24	Payne	0.55	0.285	17.375	21.5	0.301	30.750	0.016	13.375
30046	24	Payne	0.56	0.326	22.5	22	0.311	31.000	-0.014	8.500
30047	24	Payne	0.59	0.323	24.875	22.5	0.310	36.125	-0.013	11.250
30048	24	Payne	0.6	0.307	21.875	23.25	0.310	30.500	0.004	8.625
30050	24	Payne	0.7	0.339	16.625	22	0.314	28.500	-0.025	11.875
30051	24	Payne	0.52	0.168	17.25	22.5	DEAD			
30052	24	Payne	0.55	0.361	16.875	23	0.254	29.250	-0.107	12.375
30053	24	Payne	0.65	0.331	20.375	16.75	0.250	22.500	-0.081	2.125
30054	24	Payne	0.62	0.371	21.25	22	0.331	28.750	-0.040	7.500
30056	24	Payne	0.68	0.289	16.3125	21.5	0.242	27.500	-0.047	11.188
30057	24	Kohr	0.35	0.178	10.5625	26	0.175	26.125	-0.002	15.563
30058	24	Kohr	0.75	0.271	21.625	25	0.295	33.375	0.024	11.750
30059	24	Kohr	0.54	0.220	18.125	21	0.251	26.375	0.031	8.250
30061	24	Kohr	0.37	0.268	17.125	24	0.214	29.500	-0.054	12.375
30062	24	Kohr	0.65	0.359	21.125	21.5	0.318	30.875	-0.041	9.750
30063	24	Kohr	0.66	0.302	14.5	22.75	0.281	28.000	-0.020	13.500
30067	24	Dunstan	0.58	0.237	14.875	20.75	0.170	19.000	-0.066	4.125
30068	24	Dunstan	0.55	0.331	16.25	24	0.333	30.000	0.002	13.750
30071	24	Dunstan	0.45	0.200	17.5	22	0.234	19.250	0.034	1.750
30072	24	Dunstan	0.45	0.285	17.125	19	0.218	23.250	-0.067	6.125
30073	24	Dunstan	0.61	0.244	18	22.75	0.258	26.000	0.014	8.000
30075	24	Dunstan	0.62	0.270	16.25	25	0.289	23.250	0.019	7.000
30076	24	Dunstan	0.44	0.204	13.75	19	0.170	18.500	-0.034	4.750
30080	24	Dunstan	0.57	0.196	15	16.5	0.219	29.250	0.023	14.250
30081	24	Dunstan	0.62	0.305	17.75	24	0.259	31.500	-0.046	13.750
30082	24	Dunstan	0.64	0.279	16.375	14.5	0.219	30.000	-0.059	13.625
30083	24	Dunstan	0.64	0.271	17.375	19	0.307	33.250	0.037	15.875
30084	24	Dunstan	0.52	0.321	17.125	14.25	0.270	32.500	-0.051	15.375
30089	24	Dunstan	0.57	0.262	16.625	19.5	0.194	20.750	-0.067	4.125
30090	24	Dunstan	0.44	0.184	15.375	10.75	0.290	28.625	0.106	13.250
30091	24	Dunstan	0.63	0.210	16.625	22.5	0.275	29.875	0.065	13.250
30092	24	Dunstan	0.45	0.305	15	19	0.331	30.500	0.026	15.500
30093	24	Dunstan	0.45	0.218	15	24	0.233	25.000	0.015	10.000

2020 Nursery Data							2021 Field Data			
ID #	Group	Cultivar	Seed Weight (Oz.)	Caliper (In.)	Aerial Height (in.)	Root Length (in.)	Fall Caliper (In.)	Fall Aerial Height (In.)	Caliper Difference	Height Difference
30094	24	Dunstan	0.59	0.277	15.875	20.75	0.344	31.000	0.068	15.125
30095	24	Dunstan	0.39	0.154	13.875	22	0.248	28.875	0.095	15.000
30096	24	Dunstan	0.5	0.219	13.375	12	0.344	34.250	0.126	20.875
30097	24	Dunstan	0.64	0.270	16.3125	20.5	0.312	25.875	0.042	9.563
30099	24	Dunstan	0.4	0.274	17.375	17	0.228	29.000	-0.046	11.625
30100	24	Dunstan	0.45	0.269	17	22	0.235	27.500	-0.033	10.500
30105	24	Dunstan	0.42	0.243	14.75	15.75	0.188	27.625	-0.055	12.875
30109	24	Dunstan	0.6	0.355	17.75	16.5	0.416	20.375	0.061	2.625
30111	24	Dunstan	0.41	0.309	15.125	12	0.237	27.750	-0.072	12.625
30113	24	Dunstan	0.46	0.244	16.5	16.5	0.287	31.500	0.043	15.000

[1] 2w

[2] 1w

[3] 4w