

## Supplementary Material

Table S1: Least-squares means table for the seed yield with 95% confidence intervals.

<i>Level</i>	<i>Count</i>	<i>Mean</i>	<i>Std. Error</i>	<i>Low Limit</i>	<i>High Limit</i>
GRAND MEAN	192	1387.83			
Variety					
S1	32	1349.55	26.6656	1296.88	1402.22
S2	32	1323.85	26.6656	1271.18	1376.52
S3	32	1304.98	26.6656	1252.31	1357.66
S4	32	1460.87	26.6656	1408.2	1513.54
S5	32	1481.66	26.6656	1428.99	1534.33
S6	32	1406.08	26.6656	1353.41	1458.75
Block					
B1	48	1328.03	21.7723	1285.02	1371.04
B2	48	1383.67	21.7723	1340.67	1426.68
B3	48	1383.19	21.7723	1340.18	1426.2
B4	48	1456.43	21.7723	1413.43	1499.44
Location					
PM1	48	1213.32	21.7723	1170.31	1256.32
PM2	48	1052.34	21.7723	1009.33	1095.35
SV1	48	1906.98	21.7723	1863.97	1949.99
SV2	48	1378.69	21.7723	1335.69	1421.7
Year					
2012	96	1594.39	15.3954	1563.98	1624.8
2013	96	1181.28	15.3954	1150.87	1211.69
Variety by Location					
S1,PM1	8	954.064	53.3311	848.72	1059.41
S1,PM2	8	1124.12	53.3311	1018.77	1229.46
S1,SV1	8	1912.42	53.3311	1807.08	2017.77
S1,SV2	8	1407.59	53.3311	1302.24	1512.93
S2,PM1	8	1066.78	53.3311	961.439	1172.13
S2,PM2	8	1054.21	53.3311	948.861	1159.55
S2,SV1	8	1837.43	53.3311	1732.09	1942.78
S2,SV2	8	1336.99	53.3311	1231.64	1442.33
S3,PM1	8	1117.59	53.3311	1012.24	1222.93
S3,PM2	8	918.082	53.3311	812.737	1023.43
S3,SV1	8	1866.89	53.3311	1761.55	1972.24
S3,SV2	8	1317.37	53.3311	1212.03	1422.71
S4,PM1	8	1285.89	53.3311	1180.55	1391.24
S4,PM2	8	997.875	53.3311	892.53	1103.22
S4,SV1	8	1987.34	53.3311	1882.0	2092.69
S4,SV2	8	1572.37	53.3311	1467.03	1677.72
S5,PM1	8	1655.01	53.3311	1549.66	1760.35
S5,PM2	8	1157.53	53.3311	1052.19	1262.87
S5,SV1	8	1865.74	53.3311	1760.39	1971.08
S5,SV2	8	1248.36	53.3311	1143.02	1353.71
S6,PM1	8	1200.56	53.3311	1095.21	1305.9
S6,PM2	8	1062.23	53.3311	956.886	1167.57
S6,SV1	8	1972.06	53.3311	1866.71	2077.4
S6,SV2	8	1389.48	53.3311	1284.13	1494.82
Variety by Year					
S1,2012	16	1539.03	37.7108	1464.54	1613.52
S1,2013	16	1160.07	37.7108	1085.58	1234.56
S2,2012	16	1551.3	37.7108	1476.81	1625.79

S2,2013	16	1096.4	37.7108	1021.91	1170.89
S3,2012	16	1466.43	37.7108	1391.94	1540.92
S3,2013	16	1143.53	37.7108	1069.04	1218.02
S4,2012	16	1711.13	37.7108	1636.64	1785.62
S4,2013	16	1210.61	37.7108	1136.12	1285.1
S5,2012	16	1667.1	37.7108	1592.61	1741.59
S5,2013	16	1296.22	37.7108	1221.73	1370.71
S6,2012	16	1631.32	37.7108	1556.83	1705.81
S6,2013	16	1180.84	37.7108	1106.35	1255.33
Location by Year					
PM1,2012	24	1196.55	30.7907	1135.73	1257.37
PM1,2013	24	1230.08	30.7907	1169.26	1290.9
PM2,2012	24	1070.43	30.7907	1009.6	1131.25
PM2,2013	24	1034.26	30.7907	973.435	1095.08
SV1,2012	24	2131.45	30.7907	2070.63	2192.27
SV1,2013	24	1682.51	30.7907	1621.69	1743.33
SV2,2012	24	1979.11	30.7907	1918.29	2039.94
SV2,2013	24	778.271	30.7907	717.45	839.092

Table S2: Least-squares means table for the oil content with 95% confidence intervals.

<i>Level</i>	<i>Count</i>	<i>Mean</i>	<i>Std. Error</i>	<i>Low Limit</i>	<i>High Limit</i>
GRAND MEAN	48	38.0646			
Variety					
S1	8	37.65	0.707395	36.1422	39.1578
S2	8	39.175	0.707395	37.6672	40.6828
S3	8	38.6875	0.707395	37.1797	40.1953
S4	8	37.1	0.707395	35.5922	38.6078
S5	8	38.4125	0.707395	36.9047	39.9203
S6	8	37.3625	0.707395	35.8547	38.8703
Location					
PM1	12	39.2167	0.577586	37.9856	40.4478
PM2	12	38.5833	0.577586	37.3522	39.8144
SV1	12	36.6333	0.577586	35.4022	37.8644
SV2	12	37.825	0.577586	36.5939	39.0561
Year					
2012	24	34.825	0.408415	33.9545	35.6955
2013	24	41.3042	0.408415	40.4336	42.1747
Variety by Location					
S1,PM1	2	37.95	1.41479	34.9344	40.9656
S1,PM2	2	36.95	1.41479	33.9344	39.9656
S1,SV1	2	37.7	1.41479	34.6844	40.7156
S1,SV2	2	38.0	1.41479	34.9844	41.0156
S2,PM1	2	38.9	1.41479	35.8844	41.9156
S2,PM2	2	38.9	1.41479	35.8844	41.9156
S2,SV1	2	39.65	1.41479	36.6344	42.6656
S2,SV2	2	39.25	1.41479	36.2344	42.2656
S3,PM1	2	38.05	1.41479	35.0344	41.0656
S3,PM2	2	38.85	1.41479	35.8344	41.8656
S3,SV1	2	38.5	1.41479	35.4844	41.5156
S3,SV2	2	39.35	1.41479	36.3344	42.3656
S4,PM1	2	41.0	1.41479	37.9844	44.0156
S4,PM2	2	38.8	1.41479	35.7844	41.8156
S4,SV1	2	33.6	1.41479	30.5844	36.6156

S4,SV2	2	35.0	1.41479	31.9844	38.0156
S5,PM1	2	40.5	1.41479	37.4844	43.5156
S5,PM2	2	39.65	1.41479	36.6344	42.6656
S5,SV1	2	36.0	1.41479	32.9844	39.0156
S5,SV2	2	37.5	1.41479	34.4844	40.5156
S6,PM1	2	38.9	1.41479	35.8844	41.9156
S6,PM2	2	38.35	1.41479	35.3344	41.3656
S6,SV1	2	34.35	1.41479	31.3344	37.3656
S6,SV2	2	37.85	1.41479	34.8344	40.8656
Variety by Year					
S1,2012	4	34.15	1.00041	32.0177	36.2823
S1,2013	4	41.15	1.00041	39.0177	43.2823
S2,2012	4	36.075	1.00041	33.9427	38.2073
S2,2013	4	42.275	1.00041	40.1427	44.4073
S3,2012	4	35.325	1.00041	33.1927	37.4573
S3,2013	4	42.05	1.00041	39.9177	44.1823
S4,2012	4	33.4	1.00041	31.2677	35.5323
S4,2013	4	40.8	1.00041	38.6677	42.9323
S5,2012	4	36.2	1.00041	34.0677	38.3323
S5,2013	4	40.625	1.00041	38.4927	42.7573
S6,2012	4	33.8	1.00041	31.6677	35.9323
S6,2013	4	40.925	1.00041	38.7927	43.0573
Location by Year					
PM1,2012	6	34.7833	0.81683	33.0423	36.5244
PM1,2013	6	43.65	0.81683	41.909	45.391
PM2,2012	6	33.4167	0.81683	31.6756	35.1577
PM2,2013	6	43.75	0.81683	42.009	45.491
SV1,2012	6	35.95	0.81683	34.209	37.691
SV1,2013	6	37.3167	0.81683	35.5756	39.0577
SV2,2012	6	35.15	0.81683	33.409	36.891
SV2,2013	6	40.5	0.81683	38.759	42.241

Table S3: Least-squares means table for the oil yield with 95% confidence intervals.

<i>Level</i>	<i>Count</i>	<i>Mean</i>	<i>Std. Error</i>	<i>Low Limit</i>	<i>High Limit</i>
GRAND MEAN	48	524.042			
Variety					
S1	8	508.875	10.5856	486.312	531.438
S2	8	514.875	10.5856	492.312	537.438
S3	8	504.875	10.5856	482.312	527.438
S4	8	527.125	10.5856	504.562	549.688
S5	8	565.875	10.5856	543.312	588.438
S6	8	522.625	10.5856	500.062	545.188
Location					
PM1	12	478.167	8.64308	459.744	496.589
PM2	12	405.083	8.64308	386.661	423.506
SV1	12	527.583	8.64308	509.161	546.006
SV2	12	685.333	8.64308	666.911	703.756
Year					
2012	24	559.083	6.11158	546.057	572.11
2013	24	489.0	6.11158	475.973	502.027
Variety by Location					
S1,PM1	2	363.5	21.1711	318.375	408.625
S1,PM2	2	416.0	21.1711	370.875	461.125
S1,SV1	2	586.5	21.1711	541.375	631.625
S1,SV2	2	669.5	21.1711	624.375	714.625
S2,PM1	2	413.5	21.1711	368.375	458.625
S2,PM2	2	410.0	21.1711	364.875	455.125

S2,SV1	2	550.0	21.1711	504.875	595.125
S2,SV2	2	686.0	21.1711	640.875	731.125
S3,PM1	2	425.0	21.1711	379.875	470.125
S3,PM2	2	356.5	21.1711	311.375	401.625
S3,SV1	2	536.5	21.1711	491.375	581.625
S3,SV2	2	701.5	21.1711	656.375	746.625
S4,PM1	2	528.0	21.1711	482.875	573.125
S4,PM2	2	386.0	21.1711	340.875	431.125
S4,SV1	2	511.0	21.1711	465.875	556.125
S4,SV2	2	683.5	21.1711	638.375	728.625
S5,PM1	2	671.5	21.1711	626.375	716.625
S5,PM2	2	455.0	21.1711	409.875	500.125
S5,SV1	2	491.5	21.1711	446.375	536.625
S5,SV2	2	645.5	21.1711	600.375	690.625
S6,PM1	2	467.5	21.1711	422.375	512.625
S6,PM2	2	407.0	21.1711	361.875	452.125
S6,SV1	2	490.0	21.1711	444.875	535.125
S6,SV2	2	726.0	21.1711	680.875	771.125
Variety by Year					
S1,2012	4	539.75	14.9702	507.842	571.658
S1,2013	4	478.0	14.9702	446.092	509.908
S2,2012	4	567.5	14.9702	535.592	599.408
S2,2013	4	462.25	14.9702	430.342	494.158
S3,2012	4	526.5	14.9702	494.592	558.408
S3,2013	4	483.25	14.9702	451.342	515.158
S4,2012	4	560.75	14.9702	528.842	592.658
S4,2013	4	493.5	14.9702	461.592	525.408
S5,2012	4	603.75	14.9702	571.842	635.658
S5,2013	4	528.0	14.9702	496.092	559.908
S6,2012	4	556.25	14.9702	524.342	588.158
S6,2013	4	489.0	14.9702	457.092	520.908
Location by Year					
PM1,2012	6	421.0	12.2232	394.947	447.053
PM1,2013	6	535.333	12.2232	509.28	561.386
PM2,2012	6	357.5	12.2232	331.447	383.553
PM2,2013	6	452.667	12.2232	426.614	478.72
SV1,2012	6	764.667	12.2232	738.614	790.72
SV1,2013	6	290.5	12.2232	264.447	316.553
SV2,2012	6	693.167	12.2232	667.114	719.22