

Table S1. Effect of cultivar and irrigation on fresh and dry weight, dry weight of leaves, flowers and stems and ratio of leaves and flowers to stems at the beginning of flowering during the two years (2015 and 2016).

Cultivars	Irrigation treatment	Fresh weight (g/m ²)	Dry weight (g/m ²)	Dry weight of leaves and flowers (g/m ²)	Dry weight of stems (g/m ²)	Ratio of leaves and flowers/stems (g/m ²)
2015 beginning of flowering						
Mrs Burns	d ₄₀	3003.2	494.2	222.7	271.5	0.88
	d ₇₀	3312.5	587.0	250.7	336.3	1.19
	d ₁₀₀	3540.5	626.2	265.2	361.0	0.85
Cinnamon	d ₄₀	2888.8	520.5	210.3	310.3	1.05
	d ₇₀	2934.3	536.3	226.8	309.5	1.18
	d ₁₀₀	2368.3	482.5	203.8	278.8	1.06
Sweet	d ₄₀	3377.5	890.0	494.8	395.3	0.74
	d ₇₀	4162.5	922.5	449.5	473.0	1.19
	d ₁₀₀	4357.5	882.5	381.0	501.5	0.91
Red Rubin	d ₄₀	1695.0	400.0	196.0	204.0	1.16
	d ₇₀	1735.0	355.0	170.0	185.0	1.07
	d ₁₀₀	2655.0	462.5	226.8	235.8	0.74
Thai	d ₄₀	2462.5	595.0	322.3	272.8	0.74
	d ₇₀	3117.5	550.0	267.5	282.5	0.95
	d ₁₀₀	3665.0	637.5	320.3	317.3	0.99
2016 beginning of flowering						
Mrs Burns	d ₄₀	1455.3	285.8	147.0	138.8	1.28
	d ₇₀	2116.3	355.0	188.8	166.3	0.82
	d ₁₀₀	3098.3	484.0	241.3	242.8	1.17
Cinnamon	d ₄₀	1143.3	249.3	147.5	101.8	0.75
	d ₇₀	1107.0	216.5	189.0	27.5	0.64
	d ₁₀₀	2070.5	368.5	183.8	184.8	0.58
Sweet	d ₄₀	1022.3	249.3	128.0	121.3	0.95
	d ₇₀	912.5	199.5	109.8	89.8	0.68
	d ₁₀₀	724.8	191.0	85.3	105.8	0.86
Red Rubin	d ₄₀	378.5	65.8	39.8	26.0	0.96
	d ₇₀	391.3	67.0	37.3	29.7	1.16
	d ₁₀₀	628.3	91.8	52.3	39.5	0.96
Thai	d ₄₀	771.0	159.7	100.0	59.7	1.53
	d ₇₀	1205.3	218.3	135.3	83.0	1.10
	d ₁₀₀	1112.0	195.5	99.0	96.5	1.24

Table S2. Effect of cultivar and irrigation on fresh and dry weight, dry weight of leaves and flowers, stems and ratio of leaves and flowers to stems at full bloom during the two years (2015 and 2016).

Cultivars	Irrigation treatment	Fresh weight (g/m ²)	Dry weight (g/m ²)	Dry weight of leaves and flowers (g/m ²)	Dry weight of stems (g/m ²)	Ratio of leaves and flowers/stems (g/m ²)
<u>2015 full bloom</u>						
Mrs Burns	d ₄₀	3495.0	1005.0	545.5	459.5	1.02
	d ₇₀	5057.5	1197.5	617.8	579.8	0.92
	d ₁₀₀	5402.5	1150.0	554.8	595.3	0.66
Cinnamon	d ₄₀	3215.0	930.0	484.8	445.3	0.68
	d ₇₀	3920.0	852.5	450.5	402.0	1.10
	d ₁₀₀	4132.5	860.5	432.8	427.3	1.02
Sweet	d ₄₀	1942.5	875.0	412.8	462.3	1.94
	d ₇₀	2312.5	980.0	431.0	549.0	1.30
	d ₁₀₀	2692.5	1045.0	419.0	626.0	1.08
Red Rubin	d ₄₀	1187.5	462.5	249.0	213.5	0.73
	d ₇₀	1387.5	455.0	205.8	249.3	1.14
	d ₁₀₀	2322.5	677.5	277.3	400.3	0.95
Thai	d ₄₀	1362.5	627.5	340.0	287.5	1.50
	d ₇₀	1692.5	625.0	322.5	302.5	1.41
	d ₁₀₀	2377.5	755.0	407.3	347.8	0.97
<u>2016 full bloom</u>						
Mrs Burns	d ₄₀	2037.3	452.0	244.3	207.8	0.91
	d ₇₀	2963.3	566.8	291.5	275.3	0.82
	d ₁₀₀	3910.8	667.0	318.8	348.3	0.89
Cinnamon	d ₄₀	947.8	238.3	134.8	103.5	1.25
	d ₇₀	1434.5	334.5	188.3	146.3	0.70
	d ₁₀₀	2540.0	443.3	230.0	213.3	1.41
Sweet	d ₄₀	1367.8	404.0	189.5	214.5	0.95
	d ₇₀	1952.0	498.8	214.0	284.8	0.69
	d ₁₀₀	1727.8	425.5	172.0	253.5	0.77
Red Rubin	d ₄₀	794.8	163.3	83.8	79.5	1.29
	d ₇₀	930.0	210.0	84.9	125.1	0.57
	d ₁₀₀	1165.3	283.0	100.8	182.3	1.37
Thai	d ₄₀	1030.0	268.3	153.3	115.0	1.22
	d ₇₀	969.7	239.0	127.3	111.7	1.19
	d ₁₀₀	930.0	223.5	109.5	114.0	1.21

Table S3. Effect of cultivar and irrigation on fresh and dry weight, dry weight of leaves and flowers, stems and ratio of leaves and flowers to stems at the end of flowering during the two years (2015 and 2016).

Cultivars	Irrigation treatment	Fresh weight (g/m ²)	Dry weight (g/m ²)	Dry weight of leaves and flowers (g/m ²)	Dry weight of stems (g/m ²)	Ratio of leaves and flowers/stems (g/m ²)
<u>2015 end of flowering</u>						
Mrs Burns	d ₄₀	2562.5	977.5	448.8	528.8	0.72
	d ₇₀	2985.0	1170.0	556.5	613.5	1.01
	d ₁₀₀	3717.5	1277.5	633.5	644.0	1.04
Cinnamon	d ₄₀	2510.0	952.5	480.5	472.0	1.01
	d ₇₀	3427.5	1112.5	544.3	568.3	1.10
	d ₁₀₀	3860.0	1177.5	599.8	577.8	0.86
Sweet	d ₄₀	1805.0	830.0	290.0	540.0	1.25
	d ₇₀	1690.0	780.0	283.8	496.3	0.92
	d ₁₀₀	2242.5	847.5	309.0	538.5	0.55
Red Rubin	d ₄₀	830.0	385.0	190.5	194.5	1.09
	d ₇₀	1202.5	455.0	217.3	237.8	0.95
	d ₁₀₀	1385.0	440.0	191.8	248.3	1.18
Thai	d ₄₀	1192.5	610.0	335.3	274.8	0.96
	d ₇₀	1590.0	637.5	414.0	223.5	0.77
	d ₁₀₀	2205.0	757.5	404.5	353.0	0.57
<u>2016 end of flowering</u>						
Mrs Burns	d ₄₀	2373.0	700.8	352.0	348.8	1.70
	d ₇₀	2760.0	858.5	359.8	498.8	1.46
	d ₁₀₀	4197.3	1071.5	406.8	664.8	2.21
Cinnamon	d ₄₀	1691.3	521.3	270.8	250.5	0.97
	d ₇₀	2050.5	601.3	291.3	310.0	1.09
	d ₁₀₀	2729.3	766.8	345.0	421.8	2.89
Sweet	d ₄₀	1114.3	317.5	169.3	148.3	1.63
	d ₇₀	1412.5	350.8	183.0	167.8	1.18
	d ₁₀₀	1319.3	324.0	152.0	172.0	1.71
Red Rubin	d ₄₀	1006.3	192.3	104.3	88.0	1.01
	d ₇₀	1355.0	232.5	136.3	96.3	1.31
	d ₁₀₀	1340.0	219.0	126.5	92.5	1.23
Thai	d ₄₀	834.0	200.0	134.5	65.5	1.03
	d ₇₀	1274.0	270.5	169.3	101.3	0.98
	d ₁₀₀	1078.7	219.3	130.7	88.7	1.50