Summer Irrigation Water Use Scenarios

Scenario A. 30 deck pots hand or drip watered **180 gal/month (820 L)**

Assumes 1.5 gallon per week (glazed pot) X 30 = 45 imp gal X4

Scenario B. Flower planting bed around patio or front entry **310 gal/month (1,410 L)**

Assumes 50 linear feet by average 3 feet wide = 150 sq ft.
At 1" of water per week 150 divided by 12=12.5 cu ft X 6.23 = 78gal X 4

Scenario C. Small Vegetable Garden - 4 raised beds **200 gal/month (910 L)**

Assumes 4 beds each 3ft by 8 ft. 24 X 4 = 96 Sq ft.
At 1" of water per week: 96 divided by 12 = 8 cu ft X 6.23 = 50 gal X 4

Scenario D. Small Orchard **1,860 gal/month (8,450 L)**

Assumes 4 semi mature trees spaced 15 feet apart
Watering area 30X30 = 900 sq ft.
At 1" of water per week: 900 divided by 12 =75 cu ft X 6.23 =465gal X 4

Monthly Irrigation Water Use for Typical small Gardens

Scenario	May	June	July	Aug	Sept	TOTAL Summer
A + C Deck pots & Vegetable Garden	190	190	380	380	190	1,330 (6,050 L)
A + B Deck Pots and Flower Beds	245	245	490	490	245	1,715 (7,800 L)
A + B + C Flowers and Vegetable Garden	345	345	690	690	345	2,415 (11,000 L)
A + B + C + D Flowers, Vegetables and Orchard	1,2751	1,275	2,550	2,550	1,275	8,925 (40,500 L)
Spanish Hills Gardener using 35% of summer water use for irrigation	1,190	1,190	1,190	1,190	1,190	5,950 (27,000 L)

NOTE:
The calculations on this page use a nursery standard assuming that during the peak dry summer months a flower or vegetable garden or orchard requires 1 inch of water per week to size fruit and maximize blooming. The shoulder months (May, June and Sept) require one half of this amount Required water volumes are calculated by measuring the size of garden/orchard in sq. ft. dividing by 12 to change this into cubic feet, and multiplying the number of cu feet by 6.23 (the number of gallons in a cu. ft.).

Prepared by the Rainwater Connection
For the Mayne Island Rainwater Feasibility Study **June 2006**