



RAINWATER TANK SIZING EXAMPLE

EFFECT OF TANK SIZE ON ANNUAL PERFORMANCE

(Derived from RAIN-TANK 2017 Worksheet)

INPUTS

Location: Abbotsford, BC
 Household Usage: 2,500 imp gal/month + summer irrigation

Roof Area: 2,000 sq. ft.

Tank Size (imp gal)	Rainwater Wasted (imp gal)	Rainwater Usage Shortfall (imp gal)
2,000	46%	15%
4,000	43%	10%
6,000	39%	4%
8,000	36%	0%
10,000	36%	0%
12,000	36%	0%
20,000	36%	0%

Roof Area: 1,500 sq. ft.

Tank Size (imp gal)	Rainwater Wasted (imp gal)	Rainwater Usage Shortfall (imp gal)
2,000	33%	21%
4,000	28%	15%
6,000	23%	9%
8,000	19%	4%
10,000	14%	0%
12,000	9%	0%
14,000	4%	0%

Roof Area: 1,000 sq. ft.

Tank Size (imp gal)	Rainwater Wasted (imp gal)	Rainwater Usage Shortfall (imp gal)
2,000	5%	31%
4,000	3%	24%
6,000	0%	21%
8,000	0%	21%
10,000	0%	21%
12,000	0%	21%