

Rainwater Harvesting: System Planning

Table B.1. Conversion Factors

MULTIPLY	BY	TO OBTAIN
Acres	43560	Square Feet
Atmospheres	33.9	Feet of Water
Centimeters	0.3937	Inches
Cubic Feet	7.48052	Gallons
Cubic Feet	28.32	Liters
Cubic Feet/Second	449	Gallons/Minute
Cubic Meters	35.31	Cubic Feet
Cubic Meters	264.2	Gallons
Cubic Meters	10 ³	Liters
Cubic Yards	27	Cubic Feet
Cubic Yards	202	Gallons
Feet	30.48	Centimeters
Feet	0.3048	Meters
Feet of Water	62.43	Pounds/Square Foot
Feet of Water	0.434	Pounds/Square Inch
Gallons	3785	Cubic Centimeters
Gallons	0.1337	Cubic Feet
Gallons	3.785	Liters
Gallons water	8.3453	Pounds of Water
Gallons/Minute	2.228 x 10 ⁻³	Cubic feet/Second
Gallons/Minute	1440	Gallons/Day
Gallons/ Minute	0.06308	Liters/Second
Gallons/Day	6.944 x 10 ⁻⁴	Gallons/Minute
Gallons/Day/Square Foot	1.604	Inches/Day
Grams	2.205 x 10 ⁻³	Pounds
Grams/Liter	1000	Parts/Million
Hectares	2.471	Acres
Horsepower	33,000	Foot-pounds/Minute
Horsepower	0.7457	Kilowatts
Inches	2.54	Centimeters
Inches/Day	0.6234	Gallons/Day/Square Foot
Kilograms	2.205	Pounds
Kilowatts	1.341	Horsepower
Kilowatt-hours	2.655 x 10 ⁶	Foot-pounds
Liters	103	Cubic Centimeters
Liters	0.03531	Cubic Feet
Liters	0.2642	Gallons
Meters	3.281	Feet
Milligrams/Liters	1	Parts/Million
Million Gallons/Day	1.54723	Cubic Feet/Second
Parts/Million	8.345	Pounds/Million Gallons
Pounds	453.5024	Grams
Pounds of Water	0.1198	Gallons
Pounds/Square Inch	2.31	Feet of Water
Pounds/Square Inch	2.036	Inches of Mercury
Temperature (°C) + 17.78	1.8	Temperature (°F)
Temp. (°F) - 32	5/9	Temp. (°C)