



Conversions & Other Useful Information

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Distance Conversions

1 inch	= 25.4 millimeters	= 2.54 centimeters
1 foot	= 30.48 centimeters	= 0.3048 meter
1 yard	= 0.9144 meter	
1 mile	= 5,280 feet	= 1,760 yards
		= 1,609 meters

Area Conversions

1 square inch	= 0.0069 square feet	= 6.45 square centimeters
1 square foot	= 144 square inches	= 0.11 square yard
	= 0.093 square meter	
1 square yard	= 9 square feet	= 1,296 square inches
	= 0.84 square meter	
1 acre	= 43,560 square feet	= 4,840 square yards
	= 4.047 square meters	= 0.4047 hectares
1 hectare	= 10,000 square meters	= 107,637 square feet
	= 2.471 acres	

Volume Conversions

1 cubic foot	= 1,728 cubic inches	= 0.037 cubic yards
	= 7.481 gallons	= 28.32 liters
1 gallon	= 128.0 fluid ounces	= 231.0 cubic inches
	= 0.134 cubic foot	= 3,782 milliliters
1 liter	= 1,000.0 millimeters	= 1,000.0 cubic centimeters
	= 2.113 pints	= 33.814 ounces
	= 1.057 quarts	= 0.264 gallons
	= 61.025 cubic inches	= 0.0353 cubic feet

Weight Conversions

1 ounce	= 0.0625 pound	= 28.35 grams
1 pound	= 453.6 grams	= 0.4536 kilogram
1 ton	= 32,000 ounces	= 2,000 pounds
	= 907.2 kilograms	
1 kilogram	= 1,000 grams	= 35.27 ounces
	= 2.205 pounds	

Weights per Unit Area

1 ounce per 1000 ft ²	= 43.56 ounces per acre	= 2.72 pounds per acre
	= 1.23 kilograms per acre	= 3.05 kilograms per hectare
1 pound per 1000 ft ²	= 43.56 pounds per acre	= 19.76 kilograms per acre
	= 48.87 kilograms per hectare	
50 pounds per 1000 ft ²	= 2,178 pounds per acre	= 1.09 tons per acre
	= 988 kilograms per acre	= 2,443 kilograms per hectare
1 pound per acre	= 0.37 ounces per 1000 ft ²	= 10.41 grams per 1000 ft ²
	= 1.12 kilograms per hectare	
50 pounds per acre	= 18.37 ounces per 1000 ft ²	= 1.15 pounds per 1000 ft ²
	= 521 grams per 1000 ft ²	= 22.7 kilograms per acre
	= 56.1 kilograms per hectare	
1 ton per acre	= 45.9 pounds per 1000 ft ²	= 2,242 kilograms per hectare
1 kilogram per hectare	= 405 grams per acre	= 0.33 ounces per 1000 ft ²
	= 0.892 pounds per acre	

Volumes per Unit Area

1 fluid ounce per 1000 ft ²	= 2.72 pints per acre	= 1.36 quarts per acre
	= 0.34 gallons per acre	= 1.29 liters per acre
	= 3.18 liters per acre	
1 pint per 1000 ft ²	= 16 ounces per 1000 ft ²	= 43.56 pints per acre
	= 21.78 quarts per acre	= 5.45 gallons per acre
	= 20.6 liters per acre	= 50.9 liters per hectare
1 quart per 1000 ft ²	= 32 ounces per 1000 ft ²	= 2 pints per 1000 ft ²
	= 946 milliliters per 1000 ft ²	= 43.56 quarts per acre
	= 10.89 gallons per acre	= 41.2 liters per acre
	= 101.9 liters per hectare	
1 gallon per 1000 ft ²	= 128 ounces per 1000 ft ²	= 8 pints per 1000 ft ²
	= 4 quarts per 1000 ft ²	= 3.785 liters per 1000 ft ²
	= 43.56 gallons per acre	= 164.9 liters per acre
	= 407.4 liters per hectare	
1 pint per acre	= 0.37 ounces per 1000 ft ²	= 0.50 quarts per acre
	= 0.125 gallons per acre	= 1.17 liters per hectare
1 quart per acre	= 0.73 fluid ounces per 1000 ft ²	= 2 pints per acre
	= 0.25 gallons per acre	= 2.34 liters per hectare
1 gallon per acre	= 2.94 fluid ounces per 1000 ft ²	= 9.35 liters per hectare
50 gallons per acre	= 1.15 gallons per 1000 ft ²	= 467.6 liters per hectare
100 gallons per acre	= 2.30 gallons per 1000 ft ²	= 935.3 liters per hectare

Water Data

1 pound of water	= 27.68 in ³	= 0.016 ft ³
1 gallon of water	= 128 fluid ounces	= 8.34 pounds of water
	= 3.785 kilograms of water	= 0.133 cubic feet (ft ³) of water
	= 231 cubic inches (in ³) of water	= 3,782 milliliters of water
1 acres inch of water	= 27,154 gallons of water	= 624.23 gallons of water per 1000 ft ²
1 cubic foot of water (ft ³)	= 62.43 pounds of water	= 1,728 cubic inches (in ³) of water
	= 0.037 cubic yards (yd ³) of water	= 7.481 gallons of water
	= 28.32 liters of water	
1 cubic yard of water (yd ³)	= 1,713 pounds of water	
1 pound per gallon of water	= 120 grams per liter of water	

Construction Material

Material	Pounds/Foot ³	Pounds/Yard ³	Yards ³ /Ton	Tons/Yard ³
Clay, wet	105-120	2,835-3,240	0.71—0.62	1.42—1.62
Clay, dry	90-110	2,430-2,970	0.82—0.67	1.22—1.49
Granite	170	4,590	0.44	2.30
Gravel	120-135	3,240-3,645	0.62—0.55	1.62—1.82
Loam, dry compact	90-100	2,430-2,700	0.82—0.74	1.22—1.35
Loam, dry loose	75-90	2,025-2,430	0.99—0.82	1.01—1.22
Sand, dry	95-110	2,565-2,970	0.78—0.67	1.28—1.49
Sand, wet	120-130	3,240-3,510	0.62—0.57	1.62—1.76
Silt, wet	130-145	3,510-3,915	0.57—0.51	1.76—1.96