



University of
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Amherst

2018-2020 Chart Book: Measures and Conversions

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92 MEASURES AND CONVERSION

MEASURES AND CONVERSIONS CHART

Prepared by Hilary A. Sandler

Liquid Measures

1 oz = 2 tablespoons = 6 teaspoons = 29.6 ml
1 cup = 8 oz
1 pint = 2 cups = 16 oz
1 quart = 2 pints = 4 cups = 32 oz
1 gallon = 4 quarts = 8 pints = 16 cups = 128 oz
1 cup = 237 ml
1 pint = 473 ml = 0.473 liters
1 quart = 946 ml = 0.946 liters
1 gallon = 3.78 liters = 3,785 ml
1 acre-foot water = 326,000 gallons
0.1 inch water per acre = 2717 gallons
1 fl. oz/gal = 7.81 ml/liter

Mass Conversions

1 oz = 28.4 grams
1 lb = 454 g = 0.454 kg
1 kg = 2.2 lb = 35.2 oz
1 oz/gal = 7.49 g/liter

Temperature Conversions

$^{\circ}\text{F} = (9/5 \text{ } ^{\circ}\text{C}) + 32$ (guesstimate: double $^{\circ}\text{C}$, add 30)
 $^{\circ}\text{C} = 5/9 (\text{ } ^{\circ}\text{F} - 32)$ (guesstimate: subtract 30 and halve)

Length and Area Conversions

1 acre = 43,560 sq. ft = 0.405 hectares
1 hectare = 2.47 acres
1 meter = 1.09 yards = 3.28 feet = 39.4 inches
1 yard = 3 feet = 36 inches = 0.914 meters
1 cm = 0.39 inches
1 inch = 2.54 cm
1 rod = 16.5 ft
1 sq. rod = 272.2 ft²
1 square meter = 10.76 ft²
1 cubic meter = 35.29 cubic feet = 1.30 cubic yards
1 inch layer of sand per acre = 134 cubic yards

Other Conversions

pt/A * 0.473 = liters/A
pt/A * 1.167 = liters/ha
lb/A * 0.454 = kg/A
lb/A * 1.12 = kg/ha
gal/A * 3.78 = liter/A
gal/A * 9.35 = liter/ha
ton/A * 2,242 = kg/ha
bbl/A * 0.112 = Mg/ha
g/ft² * 0.958 = bbl/A
1 fl. oz/A * 73.1 = ml/ha