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## 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 ft<sup>2</sup>  
1 square meter = 10.76 ft<sup>2</sup>  
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/ft<sup>2</sup> \* 0.958 = bbl/A  
1 fl. oz/A \* 73.1 = ml/ha