

# A Reference Chart of Useful Conversions:

By Shea A.J. Comfort, *YeastWhisperer*

Here are some conversion charts that are always nice to have on hand.

## **Volume Conversions:**

1 mL = 0.035 fl oz  
1 fl oz = 30 mL  
1 L = 1000 mL  
1 L = 0.2642 gal  
1 gal = 3785 mL = 3.785 L  
1 hL = 100 L = 26.4 gal  
25 hL = 660 gal

1 L = 33.8 oz = 1000 mL  
1 gal = 128 oz = 3785 mL = 3.78 L  
1 qt = 32 oz = 946 mL = 0.946 L  
1 pt = 16 oz = 473 mL = 0.473 L  
1 cup = 8 oz = 237 mL

4 oz = 118 mL  
2 oz = 59 mL  
1 oz = 29.57 mL

## **Weight Conversions:**

1 g = 1000 mg  
1 kg = 1000 g = 2.2 lb  
1 lb = 454 g = 0.4536 kg  
10 k = 22 lb  
1 metric ton = 1000 kg  
1 metric ton = 2205 lb  
1 US ton = 907 kg  
1 US ton = 2000 lb

1 lb = 16 oz  
1 oz = 28.35 g

## **Equivalent Units:**

1 g/L	= 0.10 g/100 mL	1 g/hL	= 1 g/ 26.42 gal
	= 100 g/hL		= 0.038 g/gal
	= 100 mg/100 mL		= 0.084 lb/1000 gal
	= 1000 mg/L		
	= 1000 ppm		
	= 1.0 mg/mL		
	= 0.1% (wt/vol)		

## **Other Useful Conversions:**

1 ppm = 1 mg/L  
1 °Brix = 1% sugar (wt/vol)  
1 barrel = 60 gal = 227 L

1 lb/1000 gal = 454 g/1000 gal = 120 mg/L = 27.2 g/barrel = .0120 g/L  
1 kg/hL = 1000 g/hL = 10,000 mg/L = 2.271 kg/barrel = 10 g/L