

## Some Equivalents Useful in Floriculture

### WEIGHT

1 ounce (oz) avdp.	=	28.35 g
1 pound (lb)	=	453.6 g
1 short ton	=	0.9078 metric ton

1 gram (g)	=	0.0353 oz avdp.
1 kilogram (kg)	=	2.205 lb
1 metric ton	=	1.1016 short tons

### VOLUME

1 cubic inch (in <sup>3</sup> )	=	16.39 mL
1 cubic foot (ft <sup>3</sup> )	=	28.32 L
	=	7.48 gal (US)
1 cubic yard (yd <sup>3</sup> )	=	27ft <sup>3</sup>
	=	764.6 L
	=	0.765 m <sup>3</sup>
	=	21.7 bushels

1 milliliters (mL)	=	0.0610 in <sup>3</sup>
1 liter (L)	=	61.02 in <sup>3</sup>
1 cubic meter (m <sup>3</sup> )	=	264.2 gal (US)
	=	35.3 ft <sup>3</sup>
	=	1.308 yd <sup>3</sup>
1 bushel	=	1.25 ft <sup>3</sup>
	=	0.352 m <sup>3</sup>
	=	35.24 L

### LIQUID MEASURE

1 teaspoon (tsp)	=	5 mL
1 fluid ounce (fl oz)	=	29.6 mL
1 quart (qt) (US)	=	946.3 mL
1 gallon (gal) (US)	=	3.785 L

1 mL	=	0.034 fl oz
1 L	=	1.057 qt (US)
	=	0.264 gal (US)

### AREA

1 square inch (in <sup>2</sup> )	=	6.452 cm <sup>2</sup>
1 square foot (ft <sup>2</sup> )	=	929.09 cm <sup>2</sup>
1 acre	=	43,560 ft <sup>2</sup>
	=	0.4047 ha

1 square cm (cm <sup>2</sup> )	=	0.155 in <sup>2</sup>
1 sq meter (m <sup>2</sup> )	=	10.76 ft <sup>2</sup>
	=	1.196 yd <sup>2</sup>
1 hectare (ha)	=	2.471 acres
	=	1,000 m <sup>2</sup>

### LENGTH

1 inch (in)	=	2.54 cm
1 foot (ft)	=	30.48 cm
1 yard (yd)	=	91.44 cm
	=	0.9144 m

1 cm	=	0.394 in
1 m	=	39.37 in
	=	3.281 ft
	=	1.094 yd

### LIGHT

1 lumen/sq ft	=	10.764 lumen sq/m
	=	1 foot-candle (ft-c)

1 ft-c	=	10.764 lux
1 lux	=	0.0929 ft-c

**TEMPERATURE**

°C to °F	=	$(^{\circ}\text{C} \times 9/5) + 32$
°F to °C	=	$(^{\circ}\text{F} - 32) \times 5/9$

**PARTS PER MILLION**

1 mg per L	=	1 ppm
10,000 ppm	=	20,000 lbs/acre
		7.4 oz/ft <sup>2</sup>
		208 gm/ft <sup>2</sup>
		8.3 lbs/ 100 gal
		1.3 oz/gal
		1% solution

**WEIGHT PER VOLUME**

6 oz/cubic foot	=	10 lbs/cubic yard
1 tablespoon/bushel	=	1 lb/cubic yard
62.3 x (gms/cubic cm)	=	lbs/cubic foot
0.595 x (lbs/cubic yd)	=	gms/L
1.6821 x (kg/m <sup>3</sup> )	=	lbs/yd <sup>3</sup>

**FERTILIZERS**

P x 2.3	=	P <sub>2</sub> O <sub>5</sub>	1 lb/acre	=	1/2 oz/1000 ft <sup>2</sup>
K x 1.2	=	K <sub>2</sub> O	1 lb/1000 ft <sup>2</sup>	=	43.6 lb/acre

**MEDIA/SOIL VOLUMES**

1 bushel	=	8 gallons
		32 quart pots
		32 market-packs
		20 half-flats
		60 4"-pots
		18 6"-pots
1 cubic foot	=	45 round 4" pots
		15 round 6" pots
		18 round 6" azalea pots
		58 square 4" pots
		5 1006- or 804-cell pack flats
1 cubic yard	=	325 ft <sup>2</sup> 1" deep

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