

CONVERSION TABLES

To convert From	To	Multiply By	To convert From	To	Multiply By
Length			Length		
mm	inches	.03937	inches	mm	25.40
cm	inches	.3937	inches	cm	2.540
meters	inches	39.37	inches	meters	.0254
meters	feet	3.281	feet	meters	.3048
meters	yards	1.0936	feet	km	.0003048
km	feet	3230.8	yards	meters	.9144
Area			Area		
sq mm	sq inches	.00155	sq inches	sq mm	645.2
sq cm	sq inches	.155	sq inches	sq cm	6.452
sq meters	sq feet	10.764	sq feet	sq meters	.09290
sq meters	sq yards	1.196	sq yards	sq meters	.8361
sq km	sq miles	.3861	sq miles	sq km	2.590
hectares	acres	2.471	acres	hectares	.4047
Volume			Volume		
cu cm	cu inches	.06102	cu inches	cu cm	16.387
cu cm	fl ounces	.03381	cu inches	liters	.01639
cu meters	cu feet	35.314	cu feet	cu meters	.02832
cu meters	cu yards	1.308	cu feet	liters	28.317
cu meters	US gal	264.2	cu yards	cu meters	.7646
liters	cu inches	61.023	fl ounces	ml	29.57
liters	cu feet	.03531	US gal	cu meters	.003785
liters	US gal	.2642	US gal	liters	3.785
Weight			Weight		
grams	grains	15.432	grains	grams	.0648
grams	ounces*	.0353	ounces*	grams	28.350
kg	ounces*	35.27	ounces*	kg	.02835
kg	pounds	2.2046	pounds*	kg	.4536
kg	US tons	.001102	pounds*	metric tons	.000454
kg	long tons	.000984	US tons	kg	907.2
metric tons	pounds	2204.6	US tons	metric tons	.9072
metric tons	US tons	1.1023	long tons	kg	1016.
metric tons	long tons	.9842	long tons	metric tons	1.0160
Unit Weight			Unit Weight		
gr/sq cm	lb/sq in	.01422	lb/ft	kg/m	1.4881
gr/cu cm	lb/cu in	.0361	lb/sq in	gr/sq cm	70.31
kg/sq cm	lb/sq in	14.22	lb/sq in	kg/sq cm	.07031
kg/cu m	lb/cu ft	.0624	lb/cu in	gr/cu cm	27.68
kg/m	lb/ft	.6720	lb/cu ft	kg/cu m	16.018
Unit Volume			Unit Volume		
liters/min	US gpm	.2642	US gpm	liters/min	3.785
liters/min	cfm	.03531	US gpm	liters/hr	237.1
liters/hr	US gpm	.0044	US gpm	cu m/hr	.2371
cu m/min	cfm	35.314	cfm	liters/min	26.317
cu m/hr	cfm	.5886	cfm	cu m/min	.02832
cu m/hr	US gpm	4.4028	cfm	cu m/hr	1.6992
Power			Power		
watts	ft-lb/sec	.7376	ft-lb/sec	watts	1.365
watts	hp	.00134	hp	watts	745.7
kw	hp	1.3410	hp	kw	.7457
cheval-vap	hp	.9863	hp	cheval-vap	1.0139
Heat			Heat		
gr-cal	Btu	.003969	Btu	gr-cal	252.
kg/cal	Btu	3.9693	Btu	kg/cal	.252
kg-cal/kg	Btu/lb	1.800	Btu/lb	kg-cal/kg	.5556
gr-cal/sq cm	Btu/sq ft	3.687	Btu/sq ft	gr-cal/sq cm	.2713
kg-cal/cu m	Btu/cu ft	.1124	Btu/cu ft		
	kg-cal/cu m	8.899			

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Work/Energy			Work/Energy		
joule	ft-lb	.7376	ft-lb	joule	1.356
meter-kg	ft-lb	7.2330	ft-lb	meter-kg	.1383
gr-cal	ft-lb	3.067	ft-lb	gr-cal	.3239
kg-cal	ft-lb	3067	ft-lb	kg-cal	.0003239
hp-hr	ft-lb	1,980,000	ft-lb	hp-hr	5.051 x 10
kwhr	ft-lb	2,650,000	ft-lb	kwhr	3.766 x 10
Btu	ft-lb	778.	ft-lb	Btu	.0012856

Conversion Factors

CONVERSION FACTORS

TEMPERATURE: If F and C denote readings on the Fahrenheit and centigrade standard scales, respectively, for the same, then

$$C = 5/9 * (F - 32)$$

$$F = (9/5) * C + 32$$

Some common reference points are: 0°C = 32°F
 22°C = 71.6°F
 37°C = 98.6°F
 100°C = 212°F.

CONVERSION TABLE FOR MEDICATED FEEDS:

1 Pound = 453.6 Grams	1 Milligram = 1,000 Micrograms
1 Gram = 0.0022 Pounds	1 Microgram = 0.001 Milligrams
1 Gram = 1,000 Milligrams	1 Microgram Per Gram = 1 Part Per Million
1 Gram = 1,000,000 Micrograms	1 Part Per Million (ppm) = 0.454 mg/lb.
1 Kilogram = 1,000 Grams	1 Part Per Million (ppm) = 0.907 Grams Per Ton
1 Kilogram = 2.205 Pounds	
1 Milligram = 0.001 Grams	

HOUSEHOLD MEASURES:

1 teaspoon (tsp) = 5cc = 1 fl dram
 1 dessertspoon = 8cc = 2 fl drams
 1 tablespoon (tbsp) = 15cc = 1/2 fl ounce
 1 teacup = 120cc = 4 fl ounces
 1 tumbler = 240cc = 8 fl ounces = 1/2 pint
 8 pints = 4 quarts = 1 gallon = 128 fluid ounces