

Various Conversion Factors

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The question often comes up about the proper mixing of pesticides or fertilizers, especially when the label states "40 ounces per 500 gallons," and you only want to make up a gallon of spray! The charts of conversion factors below will be a great help in figuring out those oddballs. (The "household" measurements - teaspoons, tablespoons, cups, gallons, etc. - are US measurements, not Imperial) It's a bit too big to conveniently read on-line, but the Acrobat *.PDF file prints nicely on one landscape page.

If you see an error, or see the need for another factor, please [email me](#).

(By the way, "40 ounces per 500 gallons" is roughly 1/2 teaspoon per gallon, or 0.5-.06ml/L)

VOLUME	Drop	Milliliter	Teaspoon	Tablespoon	Cubic Inch	Fluid Ounce	Cup	Pint	Quart	Liter	Gallon
Drop	1	15.420	76	228	252.675	456	3,648	7,296	14,592	15,419.1935	58,368
Milliliter	0.0649	1	4.9289	14.7868	16.3871	29.5735	236.5883	437.1765	946.3529	1,000	3,785.412
Teaspoon	0.0132	0.2029	1	3	3.3247	6	48	96	192	202.8841	768
Tablespoon	0.0044	0.0676	0.3333	1	1.1082	2	16	32	64	67.628	256
Cubic Inch	0.004	0.061	0.3008	0.9023	1	1.805	14.438	28.875	57.75	61.0238	231.000
Fluid Ounce	0.0022	0.0338	0.1667	0.5	0.5541	1	8	16	32	33.814	128
Cup	0.0003	0.0042	0.0208	0.0625	0.0693	0.125	1	2	4	4.2268	16
Pint	0.0001	0.0021	0.0104	0.0313	0.0346	0.0625	0.5	1	2	2.1134	8
Quart	0.0001	0.0011	0.0052	0.0156	0.0173	0.0313	0.25	0.5	1	1.0567	4
Liter	0.0001	0.001	0.0049	0.0148	0.0164	0.0296	0.2366	0.4732	0.9464	1	3.785
Gallon	0.0000	0.0003	0.0013	0.0039	0.0043	0.0078	0.0625	0.125	0.25	0.2642	1

MASS	Milligrams	Grains	Grams	Ounces	Pounds	Kilograms
Milligrams	1	648	1,000	28,349.52	45,359.237	1,000,000
Grains	0.0015	1	15.43236	437.5	7,000	15,432.36
Grams	0.001	0.0648	1	28.34952	453.59237	1,000
Ounces	0.0000353	0.00229	0.03527	1	16	35.37296
Pounds	0.0000022	0.00014	0.0022	0.0625	1	2.20462
Kilograms	0.000001	0.00006	0.001	0.02835	0.45359	1

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