

grain-to-extract conversion.txt

Grain to LME: 1bs grain x .75 = 1bs LME  
 Grain to DME: 1bs grain x .6 = 1bs DME

LME to Grain: 1bs LME / .75 = 1bs Grain  
 DME to Grain: 1bs DME / .6 = 1bs Grain

LME to DME: 1bs LME x .8 = 1bs DME  
 DME to LME: 1bs DME x 1.25 = 1bs LME

Let's try an example to see how this works. Assume that we find the following grain bill for a pale ale:

8 lbs pale ale malt  
 1b crystal malt  
 0.5 lb toasted malt

If we replace all of the pale ale malt with liquid extract, we need to multiply 8 pounds by the conversion factor of 0.75. Thus, 6.0 pounds of liquid extract could be used instead of the pale ale malt.

If dry extract were used, we would multiply by 0.6 rather than 0.75. Thus, 4.8 pounds of dry extract could be substituted for the 8 pounds of pale ale malt.

Pounds of Grain	Pounds of Extract	
	Liquid	Dry
1.0	0.75	0.6
1.5	1.13	0.9
2.0	1.50	1.2
2.5	1.88	1.5
3.0	2.25	1.8
3.5	2.63	2.1
4.0	3.00	2.4
4.5	3.38	2.7
5.0	3.75	3.0
5.5	4.13	3.3
6.0	4.50	3.6
6.5	4.88	3.9
7.0	5.25	4.2
7.5	5.63	4.5
8.0	6.00	4.8
8.5	6.38	5.1
9.0	6.75	5.4

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9.5	7.13	5.7
10.0	7.50	6.0