Brewing Reckoner

C	F	OUNCE	GRAM	GRAM	OUNCE	POUND	KILO	KILO	POUND	US FL OZ	US CUP	US PINT	US QT	US GAL	UK FL OZ	UK PINT	UK QT	UK GAL	METRIC ML	METRIC LITRE	POTENTIAL ALCOHOL OG/FG	%ABV	%ABW
100.0	212	0.10	2.84	1.00	0.04	0.10	0.05	0.05	0.11														
98.1	210	0.25	7.09	2.00	0.07	0.25	0.11	0.10	0.22	0.96	0.12	0.06	0.03	0.01	1.00	0.05	0.03	0.01	28.41	0.03	1.140	18.6	14.9
96.1	205	0.50	14.18	3.00	0.11	0.50	0.23	0.15	0.33	1.00	0.13	0.06	0.03	0.01	1.04	0.05	0.03	0.01	29.57	0.03	1.135	17.9	14.3
93.3	200	0.75	21.26	4.00	0.14	0.75	0.34	0.20	0.44	1.69	0.21	0.11	0.05	0.01	1.76	0.09	0.04	0.01	50.00	0.05	1.130	17.3	13.8
90.6	195	1.00	28.35	5.00	0.18	1.00	0.45	0.25	0.55	2.54	0.32	0.16	0.08	0.02	2.64	0.13	0.07	0.02	75.00	0.08	1.125	16.6	13.3
87.8	190	1.25	35.44	10.0	0.35	1.25	0.57	0.30	0.66	3.38	0.42	0.21	0.11	0.03	3.52	0.18	0.09	0.02	100	0.10	1.120	16.0	12.8
85.0	185	1.50	42.53	15.0	0.53	1.50	0.68	0.40	0.88	4.00	0.50	0.25	0.13	0.03	4.17	0.21	0.10	0.03	118	0.12	1.115	14.7	11.8
82.2	180	1.75	49.61	20.0	0.71	1.75	0.79	0.50	1.10	4.80	0.60	0.30	0.15	0.04	5.00	0.25	0.13	0.03	142	0.14	1.110	14.3	11.4
79.4	175	2.00	56.70	25.0	0.88	2.00	0.91	0.60	1.32	5.07	0.63	0.32	0.16	0.04	5.28	0.26	0.13	0.03	150	0.15	1.105	13.9	11.1
77.5	170	2.25	63.79	30.0	1.06	2.25	1.02	0.70	1.54	6.76	0.85	0.42	0.21	0.05	7.04	0.35	0.18	0.04	200	0.20	1.100	13.2	10.6
75.6	168	2.50	70.88	35.0	1.23	2.50	1.13	0.80	1.76	7.68	0.96	0.48	0.24	0.06	8.00	0.40	0.20	0.05	227	0.23	1.095	12.6	10.1
74.4	166	2.75	77.96	40.0	1.41	2.75	1.25	0.90	1.98	8.00	1.00	0.50	0.25	0.06	8.33	0.42	0.21	0.05	237	0.24	1.090	11.8	9.4
73.3	164	3.00	85.05	45.0	1.59	3.00	1.36	1.00	2.20	8.45	1.06	0.53	0.26	0.07	8.80	0.44	0.22	0.05	250	0.25	1.085	11.3	9.0
72.2	162	3.25	92.14	50.0	1.76	3.25	1.47	1.25	2.76	9.60	1.20	0.60	0.30	0.08	10.0	0.50	0.25	0.06	284	0.28	1.080	10.5	8.4
71.1	160	3.50	99.23	55.0	1.94	3.50	1.59	1.50	3.31	10.1	1.27	0.63	0.32	0.08	10.6	0.53	0.26	0.07	300	0.30	1.075	9.9	7.9
70.0	158	3.75	106	60.0	2.12	4.00	1.81	1.75	3.86	12.0	1.50	0.75	0.38	0.09	12.5	0.62	0.31	0.08	355	0.35	1.070	9.3	7.4
68.9	156	4.00	113	65.0	2.29	4.50	2.04	2.00	4.41	13.5	1.69	0.85	0.42	0.11	14.1	0.70	0.35	0.09	400	0.40	1.065	8.6	6.9
67.8	154	4.25	120	70.0	2.47	5.00	2.27	2.25	4.96	16.0	2.00	1.00	0.50	0.13	16.7	0.83	0.42	0.10	473	0.47	1.060	7.8	6.2
66.7	152	4.50	128	75.0	2.65	5.50	2.49	2.50	5.51	16.9	2.11	1.06	0.53	0.13	17.6	0.88	0.44	0.11	500	0.50	1.058	7.6	6.0
65.6	150	4.75	135	80.0	2.82	6.00	2.72	2.75	6.06	19.2	2.40	1.20	0.60	0.15	20.0	1.00	0.50	0.13	568	0.57	1.055	7.3	5.8
64.4	148	5.00	142	85.0	3.00	6.50	2.95	3.00	6.61	24.0	3.00	1.50	0.75	0.19	25.0	1.25	0.63	0.16	710	0.71	1.053	6.9	5.5
63.3	146	5.25	149	90.0	3.17	7.00	3.18	3.25	7.16	32.0	4.00	2.00	1.00	0.25	33.3	1.67	0.83	0.21	946	0.95	1.050	6.4	5.1
62.2	144	5.50	156	95.0	3.35	7.50	3.40	3.50	7.72	33.8	4.23	2.11	1.06	0.26	35.2	1.76	0.88	0.22	1000	1.00	1.048	6.1	4.9
61.1	142	5.75	163	100	3.53	8.00	3.63	3.75	8.27	48.0	6.00	3.00	1.50	0.38	50.0	2.50	1.25	0.31	1421	1.42	1.045	5.8	4.6
60.0	140	6.00	170	110	3.88	8.50	3.86	4.00	8.82	64.0	8.00	4.00	2.00	0.50	66.7	3.33	1.67	0.42	1893	1.89	1.043	5.6	4.4
58.9	138	6.25	177	120	4.23	9.00	4.08	4.25	9.37	67.6	8.45	4.23	2.11	0.53	70.4	3.52	1.76	0.44	2000	2.00	1.040	5.3	4.2
57.8	136	6.50	184	130	4.59	9.50	4.31	4.50	9.92	72.0	9.00	4.50	2.25	0.56	75.0	3.75	1.88	0.47	2131	2.13	1.038	4.9	3.9
56.7	134	6.75	191	140	4.94	10.0	4.54	4.75	10.5	96.0	12.0	6.00	3.00	0.75	100	5.00	2.50	0.63	2841	2.84	1.035	4.5	3.6
55.6	132	7.00	198	150	5.29	11.0	4.99	5.00	11.0	128	16.0	8.00	4.00	1.00	133	6.67	3.33	0.83	3785	3.79	1.033	4.2	3.4
54.4	130	7.25	206	160	5.64	12.0	5.44	6.00	13.2	154	19.2	9.60	4.80	1.20	160	8.00	4.00	1.00	4546	4.55	1.030	3.9	3.1
53.3	128	7.50	213	170	6.00	13.0	5.90	7.00	15.4	169	21.1	10.6	5.28	1.32	176	8.80	4.40	1.10	5000	5.00	1.028	3.6	2.8
52.2	126	7.75	220	180	6.35	14.0	6.35	8.00	17.6	192	24.0	12.0	6.00	1.50	200	10.0	5.00	1.25	5683	5.68	1.025	3.2	2.6
51.1	124	8.00	227	190	6.70	15.0	6.80	9.00	19.8	256	32.0	16.0	8.00	2.00	267	13.3	6.67	1.67	7571	7.57	1.023	3.1	2.4
50.0	122	8.25	234	200	7.05	16.0	7.26	10.0	22.0	307	38.4	19.2	9.60	2.40	320	16.0	8.00	2.00	9092	9.09	1.020	2.9	2.3
48.9	120	8.50	241	210	7.41	17.0	7.71	11.0	24.3	338	42.3	21.1	10.6	2.64	352	17.6	8.80	2.20	10000	10.0	1.018	2.4	1.9
47.8	118	8.75	248	220	7.76	18.0	8.16	12.0	26.5	384	48.0	24.0	12.0	3.00	400	20.0	10.0	2.50	11365	11.4	1.015	1.9	1.5
46.7	116	9.00	255	230	8.11	19.0	8.62	13.0	28.7	507	63.4	31.7	15.9	3.96	528	26.4	13.2	3.30	15000	15.0	1.013	1.6	1.3
45.6	114	9.25	262	240	8.47	20.0	9.07	14.0	30.9	640	80.0	40.0	20.0	5.00	667	33.3	16.7	4.17	18927	18.9	1.010	1.3	1.0
44.4	112	9.50	269	250	8.82	22.5	10.2	15.0	33.1	676	84.5	42.3	21.1	5.28	704	35.2	17.6	4.40	20000	20.0	1.008	1.0	0.8
43.3	110	9.75	276	260	9.17	25.0	11.3	16.0	35.3	768	96.0	48.0	24.0	6.00	800	40.0	20.0	5.00	22730	22.7	1.005	0.6	0.5
42.2	108	10.0	284	270	9.52	30.0	13.6	17.0	37.5	1280	160	80.0	40.0	10.0	1333	66.7	33.3	8.33	37853	37.9	1.003	0.3	0.2
41.1	106	11.0	312	280	9.88	35.0	15.9	18.0	39.7	1536	192	96.0	48.0	12.0	1600	80.0	40.0	10.0	45460	45.5	1.000	0.0	0.0
40.0	104	12.0	340	290	10.2	40.0	18.1	19.0	41.9	1843	230	115	57.6	14.4	1920	96.0	48.0	12.0	54552	54.6	0.998	-0.4	-0.3
38.9	102	13.0	369	300	10.6	45.0	20.4	20.0	44.1	2304	288	144	72.0	18.0	2400	120	60.0	15.0	68190	68.2	0.995	-0.7	-0.6
37.8	100	14.0	397	325	11.5	50.0	22.7	25.0	55.1	2560	320	160	80.0	20.0	2667	133	66.7	16.7	75706	75.7	0.993	-1.0	-0.8
36.7	98	15.0	425	350	12.3	60.0	27.2	30.0	66.1	3072	384	192	96.0	24.0	3200	160	80.0	20.0	90920	90.9	0.990	-1.3	-1.0
35.6	96	20.0	567	375	13.2	70.0	31.8	35.0	77.2	3381	423	211	106	26.4	3520	176	88.0	22.0	100000	100	0.988	-1.6	-1.3
34.4	94	25.0	709	400	14.1	80.0	36.3	40.0	88.2	4058	507	254	127	31.7	4224	211	106	26.4	120000	120	0.985	-1.9	-1.5
33.3	92	30.0	851	450	15.9	90.0	40.8	45.0	99.2	6400	800	400	200	50.0	6667	333	167	41.7	189265	189	0.983	-2.3	-1.8
32.2	90	35.0	992	500	17.6	100	45.4	50.0	110	12800	1600	800	400	100	13333	667	333	83.3	378530	379	0.980	-2.6	-2.1
31.1	88	40.0	1134	1000	35.3	500	227	100	220	FL OZ	CUP	PINT	QT	GAL	FL OZ	PINT	QT	GAL	ML	LITRE	OG/FG	% ABV	%ABW
30.0	86	OUNCE	GRAM	GRAM	OUNCE	POUND	KILO	KILO	POUND	US					UK				METRIC		POTENTIAL ALCOHOL		
28.9	84																						
27.8	82																						
26.7	80																						
25.6	78																						
24.4	76																						
23.3	74																						
22.2	72																						
21.1	70																						
20.6	69																						
20.0	68																						
19.4	67																						
18.9	66																						
18.3	65																						
17.8	64																						
17.2	63																						
16.7	62																						
16.1	61																						
15.6	60																						
15.0	59																						
14.4	58																						
13.9	57																						
13.3	56																						
12.8	55																						
12.2	54																						
11.7	53																						
11.1	52																						
10.6	51																						
10.0	50																						
9.4	49																						
8.9	48																						
8.3	47																						
7.8	46																						
7.2	45																						
6.7	44																						
6.1	43																						
5.6	42																						
5.0	41																						
4.4	40																						
3.9	39																						
3.3	38																						
2.8	37																						
2.2	36																						
1.7	35																						
1.1	34																						
0.6	33																						
0.0	32																						
C	F	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA
CO2 VOLUMES:		2.0		2.1		2.2		2.3		2.4		2.5		2.6		2.7		2.8		2.9		3.0	
BEER STYLE:		< DRAUGHT ALE				BOTTLED ALE				GERMAN LAGER				PILSENER & COMMERCIAL LAGER								WEISSE BIER >	

DRY WEIGHT CONVERTERS: CONVERT BETWEEN OUNCES AND GRAMS, OR BETWEEN POUNDS AND KILOGRAMS.

LIQUID MEASURE CONVERTER: CONVERT ANY MEASURE INTO ANY MEASURE BY FOLLOWING THE LINE LEFT OR RIGHT.

ALCOHOL CALCULATOR: SUBTRACT FG % FROM OG % TO FIND ACTUAL ALC %. ALSO CONVERT BETWEEN ALC BY VOLUME (ABV) & ALC BY WEIGHT (ABW).

CARBONATION CALCULATOR: GIVES REQUIRED KEG PRESSURE FOR DESIRED CO2 VOLUMES RELATIVE TO KEG TEMPERATURE. ALSO USE TO CONVERT PSI TO KPA.

MASHOUT | SPARGE | DIASTATIC ACTIVITY | ALPHA AMYLASE | ALPHA & BETA | BETA AMYLASE | PROTEOLYTIC ACTIVITY | PROTEIN REST | "ACID" REST | LAGER FERMENTATION | ALE FERMENTATION | ALE STORAGE | UK CELLAR | ALE SERVE | LAGER SERVE | LAGER STORAGE

HYDRO COMPENSATION / 20C | +025 | +023 | +022 | +021 | +019 | +018 | +017 | +016 | +014 | +013 | +012 | +011 | +010 | +009 | +008 | +007 | +006 | +005 | +004 | +003 | +002 | +001 | HYDRO ACCURATE | READING HIGH: SUBTRACT 0.001 | READING HIGH: SUBTRACT 0.002 | HYDRO COMPENSATION / 20C

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