

Carbonating with Corn Sugar

From: [A Primer on Priming](#)

<http://brewery.org/brewery/library/YPrimerMH.html>

Version 1.00

Read down to your end of fermentation temperature (Current Temperature) in either Fahrenheit or Celsius. Read over to the Volumes of CO2 appropriate for the style of beer. The number listed is the grams of corn sugar necessary for carbonating 5 gallons of beer. If your beer volume is more or less than 5 gallons, multiply the grams of corn sugar listed by the gallons of beer you have, and then divide by 5.

Currently			Volumes of CO2 appropriate for Beer Style																
Current Temperature, °F	Current Temperature, °C	Saturated Volumes of CO2	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2
32.0	0.0	1.70	0.0	0.0	0.0	0.0	7.4	22.5	37.6	52.7	67.8	82.9	98.0	113.1	128.2	143.3	158.4	173.5	188.6
34.0	1.1	1.64	0.0	0.0	0.0	0.0	12.2	27.3	42.4	57.5	72.6	87.7	102.8	117.9	133.0	148.1	163.2	178.3	193.4
36.0	2.2	1.58	0.0	0.0	0.0	1.7	16.8	31.9	47.0	62.1	77.2	92.3	107.4	122.5	137.6	152.7	167.8	182.9	198.0
38.0	3.3	1.52	0.0	0.0	0.0	6.2	21.3	36.4	51.5	66.6	81.7	96.8	111.9	127.0	142.1	157.2	172.3	187.4	202.5
40.0	4.4	1.46	0.0	0.0	0.0	10.5	25.6	40.7	55.8	70.9	86.0	101.1	116.2	131.3	146.4	161.5	176.6	191.7	206.8
42.0	5.6	1.41	0.0	0.0	0.0	14.7	29.8	44.9	60.0	75.1	90.2	105.3	120.4	135.5	150.6	165.7	180.8	195.9	211.0
44.0	6.7	1.35	0.0	0.0	3.6	18.7	33.8	48.9	64.0	79.1	94.2	109.3	124.4	139.5	154.6	169.7	184.8	199.9	215.0
46.0	7.8	1.30	0.0	0.0	7.5	22.6	37.7	52.8	67.9	83.0	98.1	113.2	128.3	143.4	158.5	173.6	188.7	203.8	218.9
48.0	8.9	1.25	0.0	0.0	11.2	26.3	41.4	56.5	71.6	86.7	101.8	116.9	132.0	147.1	162.2	177.3	192.4	207.5	222.6
50.0	10.0	1.20	0.0	0.0	14.7	29.8	44.9	60.0	75.1	90.2	105.3	120.4	135.5	150.6	165.7	180.8	195.9	211.0	226.1
52.0	11.1	1.16	0.0	3.0	18.1	33.2	48.3	63.4	78.5	93.6	108.7	123.8	138.9	154.0	169.1	184.2	199.3	214.4	229.5
54.0	12.2	1.12	0.0	6.3	21.4	36.5	51.6	66.7	81.8	96.9	112.0	127.1	142.2	157.3	172.4	187.5	202.6	217.7	232.8
56.0	13.3	1.08	0.0	9.3	24.4	39.5	54.6	69.7	84.8	99.9	115.0	130.1	145.2	160.3	175.4	190.5	205.6	220.7	235.8
58.0	14.4	1.04	0.0	12.3	27.4	42.5	57.6	72.7	87.8	102.9	118.0	133.1	148.2	163.3	178.4	193.5	208.6	223.7	238.8
60.0	15.6	1.00	0.0	15.1	30.2	45.3	60.4	75.5	90.6	105.7	120.8	135.9	151.0	166.1	181.2	196.3	211.4	226.5	241.6
62.0	16.7	0.97	2.6	17.7	32.8	47.9	63.0	78.1	93.2	108.3	123.4	138.5	153.6	168.7	183.8	198.9	214.0	229.1	244.2
64.0	17.8	0.93	5.0	20.1	35.2	50.3	65.4	80.5	95.6	110.7	125.8	140.9	156.0	171.1	186.2	201.3	216.4	231.5	246.6
66.0	18.9	0.90	7.4	22.5	37.6	52.7	67.8	82.9	98.0	113.1	128.2	143.3	158.4	173.5	188.6	203.7	218.8	233.9	249.0
68.0	20.0	0.87	9.5	24.6	39.7	54.8	69.9	85.0	100.1	115.2	130.3	145.4	160.5	175.6	190.7	205.8	220.9	236.0	251.1
70.0	21.1	0.85	11.5	26.6	41.7	56.8	71.9	87.0	102.1	117.2	132.3	147.4	162.5	177.6	192.7	207.8	222.9	238.0	253.1
72.0	22.2	0.82	13.4	28.5	43.6	58.7	73.8	88.9	104.0	119.1	134.2	149.3	164.4	179.5	194.6	209.7	224.8	239.9	255.0
74.0	23.3	0.80	15.1	30.2	45.3	60.4	75.5	90.6	105.7	120.8	135.9	151.0	166.1	181.2	196.3	211.4	226.5	241.6	256.7
76.0	24.4	0.78	16.6	31.7	46.8	61.9	77.0	92.1	107.2	122.3	137.4	152.5	167.6	182.7	197.8	212.9	228.0	243.1	258.2
78.0	25.6	0.76	18.0	33.1	48.2	63.3	78.4	93.5	108.6	123.7	138.8	153.9	169.0	184.1	199.2	214.3	229.4	244.5	259.6
80.0	26.7	0.75	19.2	34.3	49.4	64.5	79.6	94.7	109.8	124.9	140.0	155.1	170.2	185.3	200.4	215.5	230.6	245.7	260.8
82.0	27.8	0.73	20.3	35.4	50.5	65.6	80.7	95.8	110.9	126.0	141.1	156.2	171.3	186.4	201.5	216.6	231.7	246.8	261.9
84.0	28.9	0.72	21.2	36.3	51.4	66.5	81.6	96.7	111.8	126.9	142.0	157.1	172.2	187.3	202.4	217.5	232.6	247.7	262.8
86.0	30.0	0.71	22.0	37.1	52.2	67.3	82.4	97.5	112.6	127.7	142.8	157.9	173.0	188.1	203.2	218.3	233.4	248.5	263.6
88.0	31.1	0.70	22.6	37.7	52.8	67.9	83.0	98.1	113.2	128.3	143.4	158.5	173.6	188.7	203.8	218.9	234.0	249.1	264.2
90.0	32.2	0.69	23.1	38.2	53.3	68.4	83.5	98.6	113.7	128.8	143.9	159.0	174.1	189.2	204.3	219.4	234.5	249.6	264.7
92.0	33.3	0.69	23.4	38.5	53.6	68.7	83.8	98.9	114.0	129.1	144.2	159.3	174.4	189.5	204.6	219.7	234.8	249.9	265.0
94.0	34.4	0.69	23.5	38.6	53.7	68.8	83.9	99.0	114.1	129.2	144.3	159.4	174.5	189.6	204.7	219.8	234.9	250.0	265.1
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100.0	37.8	0.69	23.1	38.2	53.3	68.4	83.5	98.6	113.7	128.8	143.9	159.0	174.1	189.2	204.3	219.4	234.5	249.6	264.7

Reference Information:

Volumes of CO2 by style

Copied from: <http://hbd.org/cgi-bin/recipient/recipient/carbonation.html>

Low	High	Beer
2.2	2.8	American Amber Ale
1.5	2.5	American Brown
2.5	2.7	American Dark Lager
2.6	2.7	American Lager
2.6	2.6	American Light Lager
2.2	2.8	American Pale Ale
2.6	2.7	American Pilsener
2.6	2.7	American Premium Lager
2.3	2.6	American Wheat
2.2	2.6	Bamberg Rauchbier
1.3	2.3	Barley Wine
1.9	2.4	Belgian Dubbel
2.6	4.5	Belgian Fruit Lambic
3	4.5	Belgian Gueuze Lambic
3	4.5	Belgian Lambic
1.9	2.5	Belgian Pale Ale
1.9	2.4	Belgian Strong Ale
1.9	2.4	Belgian Tripel
2.1	2.6	Belgian White (Wit)
3.5	3.5	Berliner Weisse
		Bière de Garde
2.2	2.7	Bock

Low	High	Beer
2.3	2.5	Bohemian Pilsener
1.7	2.5	Brown Porter
2.4	2.8	California Common
2.6	2.7	Cream Ale
2.3	2.6	Doppelbock
2.6	2.6	Dortmunder/European Export
3.6	4.5	Dunkelweizen
2.2	3.1	Düsseldorf Altbier
2.4	2.4	Eisbock
0.75	1.3	English Best (Special) Bitter
1.5	2.3	English Brown
1.3	2	English Dark Mild
1.3	2	English Light Mild
1.5	2.3	English Old/Strong Ale
0.75	1.3	English Ordinary Bitter
1.5	2.3	English Pale Ale
0.75	1.3	English Strong (Extra Special) Bitter
1.9	2.5	Flanders Brown
2.3	2.6	Foreign-Style Stout
2.5	2.5	German Pilsener
2.2	2.7	Helles Bock
1.5	2.3	Imperial Stout
1.5	2.3	India Pale Ale

Low	High	Beer
1.6	2	Irish Dry Stout
2.4	2.7	Kölsch
2.2	2.7	Maibock
2.6	2.7	Marzen/Okttoberfest
2.3	2.7	Münchner Helles
2.2	2.7	Munich Dunkel
2.2	3.1	North German Altbier
		Oatmeal Stout
1.9	2.5	Oud Bruin
1.8	2.5	Robust Porter
2.2	2.6	Schwarzbier
0.75	1.3	Scottish Export Ale
0.75	1.3	Scottish Heavy Ale
0.75	1.3	Scottish Light Ale
1.5	2.3	Strong Scotch Ale
2	2.4	Sweet Stout
2.2	2.7	Traditional Bock
2.4	2.6	Vienna
3.6	4.5	Weizen/Weissbier
3.7	4.7	Weizenbock