

	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH
kH	6	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8	8.1	8.2	8.3	8.4	8.5	8.6
0.5	15	11.9	9.5	7.5	6.0	4.7	3.8	3.0	2.4	1.9	1.5	1.2	0.9	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0
1	30	23.8	18.9	15.0	11.9	9.5	7.5	6.0	4.8	3.8	3.0	2.4	1.9	1.5	1.2	0.9	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1
1.5	45	35.7	28.4	22.6	17.9	14.2	11.3	9.0	7.1	5.7	4.5	3.6	2.8	2.3	1.8	1.4	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.1
2	60	47.7	37.9	30.1	23.9	19.0	15.1	12.0	9.5	7.6	6.0	4.8	3.8	3.0	2.4	1.9	1.5	1.2	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2.5	75	59.6	47.3	37.6	29.9	23.7	18.8	15.0	11.9	9.4	7.5	6.0	4.7	3.8	3.0	2.4	1.9	1.5	1.2	0.9	0.8	0.6	0.5	0.4	0.3	0.2	0.2
3	90	71.5	56.8	45.1	35.8	28.5	22.6	18.0	14.3	11.3	9.0	7.1	5.7	4.5	3.6	2.8	2.3	1.8	1.4	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2
3.5	105	83.4	66.3	52.6	41.8	33.2	26.4	21.0	16.6	13.2	10.5	8.3	6.6	5.3	4.2	3.3	2.6	2.1	1.7	1.3	1.1	0.8	0.7	0.5	0.4	0.3	0.3
4	120	95.3	75.7	60.1	47.8	37.9	30.1	23.9	19.0	15.1	12.0	9.5	7.6	6.0	4.8	3.8	3.0	2.4	1.9	1.5	1.2	1.0	0.8	0.6	0.5	0.4	0.3
4.5	135	107.2	85.2	67.7	53.7	42.7	33.9	26.9	21.4	17.0	13.5	10.7	8.5	6.8	5.4	4.3	3.4	2.7	2.1	1.7	1.4	1.1	0.9	0.7	0.5	0.4	0.3
5	150	119.1	94.6	75.2	59.7	47.4	37.7	29.9	23.8	18.9	15.0	11.9	9.5	7.5	6.0	4.7	3.8	3.0	2.4	1.9	1.5	1.2	0.9	0.8	0.6	0.5	0.4
5.5	165	131.1	104.1	82.7	65.7	52.2	41.4	32.9	26.2	20.8	16.5	13.1	10.4	8.3	6.6	5.2	4.1	3.3	2.6	2.1	1.7	1.3	1.0	0.8	0.7	0.5	0.4
6	180	143.0	113.6	90.2	71.7	56.9	45.2	35.9	28.5	22.7	18.0	14.3	11.4	9.0	7.2	5.7	4.5	3.6	2.9	2.3	1.8	1.4	1.1	0.9	0.7	0.6	0.5
6.5	195	154.9	123.0	97.7	77.6	61.7	49.0	38.9	30.9	24.5	19.5	15.5	12.3	9.8	7.8	6.2	4.9	3.9	3.1	2.5	2.0	1.5	1.2	1.0	0.8	0.6	0.5
7	210	166.8	132.5	105.2	83.6	66.4	52.7	41.9	33.3	26.4	21.0	16.7	13.3	10.5	8.4	6.6	5.3	4.2	3.3	2.6	2.1	1.7	1.3	1.1	0.8	0.7	0.5
7.5	225	178.7	142.0	112.8	89.6	71.2	56.5	44.9	35.7	28.3	22.5	17.9	14.2	11.3	9.0	7.1	5.7	4.5	3.6	2.8	2.3	1.8	1.4	1.1	0.9	0.7	0.6
8	240	190.6	151.4	120.3	95.5	75.9	60.3	47.9	38.0	30.2	24.0	19.1	15.1	12.0	9.6	7.6	6.0	4.8	3.8	3.0	2.4	1.9	1.5	1.2	1.0	0.8	0.6
8.5	255	202.6	160.9	127.8	101.5	80.6	64.1	50.9	40.4	32.1	25.5	20.3	16.1	12.8	10.2	8.1	6.4	5.1	4.0	3.2	2.6	2.0	1.6	1.3	1.0	0.8	0.6
9	270	214.5	170.4	135.3	107.5	85.4	67.8	53.9	42.8	34.0	27.0	21.4	17.0	13.5	10.7	8.5	6.8	5.4	4.3	3.4	2.7	2.1	1.7	1.4	1.1	0.9	0.7
9.5	285	226.4	179.8	142.8	113.5	90.1	71.6	56.9	45.2	35.9	28.5	22.6	18.0	14.3	11.3	9.0	7.2	5.7	4.5	3.6	2.9	2.3	1.8	1.4	1.1	0.9	0.7
10	300	238.3	189.3	150.4	119.4	94.9	75.4	59.9	47.5	37.8	30.0	23.8	18.9	15.0	11.9	9.5	7.5	6.0	4.8	3.8	3.0	2.4	1.9	1.5	1.2	0.9	0.8
10.5	315	250.2	198.8	157.9	125.4	99.6	79.1	62.9	49.9	39.7	31.5	25.0	19.9	15.8	12.5	10.0	7.9	6.3	5.0	4.0	3.2	2.5	2.0	1.6	1.3	1.0	0.8
11	330	262.1	208.2	165.4	131.4	104.4	82.9	65.8	52.3	41.5	33.0	26.2	20.8	16.5	13.1	10.4	8.3	6.6	5.2	4.2	3.3	2.6	2.1	1.7	1.3	1.0	0.8
11.5	345	274.0	217.7	172.9	137.3	109.1	86.7	68.8	54.7	43.4	34.5	27.4	21.8	17.3	13.7	10.9	8.7	6.9	5.5	4.3	3.5	2.7	2.2	1.7	1.4	1.1	0.9
12	360	286.0	227.1	180.4	143.3	113.8	90.4	71.8	57.1	45.3	36.0	28.6	22.7	18.0	14.3	11.4	9.0	7.2	5.7	4.5	3.6	2.9	2.3	1.8	1.4	1.1	0.9
12.5	375	297.9	236.6	187.9	149.3	118.6	94.2	74.8	59.4	47.2	37.5	29.8	23.7	18.8	14.9	11.9	9.4	7.5	5.9	4.7	3.8	3.0	2.4	1.9	1.5	1.2	0.9
13	390	309.8	246.1	195.5	155.3	123.3	98.0	77.8	61.8	49.1	39.0	31.0	24.6	19.5	15.5	12.3	9.8	7.8	6.2	4.9	3.9	3.1	2.5	2.0	1.6	1.2	1.0
13.5	405	321.7	255.5	203.0	161.2	128.1	101.7	80.8	64.2	51.0	40.5	32.2	25.6	20.3	16.1	12.8	10.2	8.1	6.4	5.1	4.1	3.2	2.6	2.0	1.6	1.3	1.0
14	420	333.6	265.0	210.5	167.2	132.8	105.5	83.8	66.6	52.9	42.0	33.4	26.5	21.0	16.7	13.3	10.5	8.4	6.7	5.3	4.2	3.3	2.7	2.1	1.7	1.3	1.1
14.5	435	345.5	274.5	218.0	173.2	137.6	109.3	86.8	68.9	54.8	43.5	34.6	27.4	21.8	17.3	13.8	10.9	8.7	6.9	5.5	4.4	3.5	2.7	2.2	1.7	1.4	1.1
15	450	357.4	283.9	225.5	179.1	142.3	113.0	89.8	71.3	56.7	45.0	35.7	28.4	22.6	17.9	14.2	11.3	9.0	7.1	5.7	4.5	3.6	2.8	2.3	1.8	1.4	1.1
15.5	465	369.4	293.4	233.1	185.1	147.0	116.8	92.8	73.7	58.5	46.5	36.9	29.3	23.3	18.5	14.7	11.7	9.3	7.4	5.9	4.7	3.7	2.9	2.3	1.9	1.5	1.2
16	480	381.3	302.9	240.6	191.1	151.8	120.6	95.8	76.1	60.4	48.0	38.1	30.3	24.1	19.1	15.2	12.1	9.6	7.6	6.0	4.8	3.8	3.0	2.4	1.9	1.5	1.2
16.5	495	393.2	312.3	248.1	197.1	156.5	124.3	98.8	78.5	62.3	49.5	39.3	31.2	24.8	19.7	15.7	12.4	9.9	7.8	6.2	5.0	3.9	3.1	2.5	2.0	1.6	1.2
17	510	405.1	321.8	255.6	203.0	161.3	128.1	101.8	80.8	64.2	51.0	40.5	32.2	25.6	20.3	16.1	12.8	10.2	8.1	6.4	5.1	4.1	3.2	2.6	2.0	1.6	1.3
17.5	525	417.0	331.3	263.1	209.0	166.0	131.9	104.8	83.2	66.1	52.5	41.7	33.1	26.3	20.9	16.6	13.2	10.5	8.3	6.6	5.3	4.2	3.3	2.6	2.1	1.7	1.3
18	540	428.9	340.7	270.6	215.0	170.8	135.6	107.7	85.6	68.0	54.0	42.9	34.1	27.1	21.5	17.1	13.6	10.8	8.6	6.8	5.4	4.3	3.4	2.7	2.1	1.7	1.4
18.5	555	440.9	350.2	278.2	220.9	175.5	139.4	110.7	88.0	69.9	55.5	44.1	35.0	27.8	22.1	17.6	13.9	11.1	8.8	7.0	5.6	4.4	3.5	2.8	2.2	1.8	1.4
19	570	452.8	359.6	285.7	226.9	180.2	143.2	113.7	90.3	71.8	57.0	45.3	36.0	28.6	22.7	18.0	14.3	11.4	9.0	7.2	5.7	4.5	3.6	2.9	2.3	1.8	1.4
19.5	585	464.7	369.1	293.2	232.9	185.0	146.9	116.7	92.7	73.6	58.5	46.5	36.9	29.3	23.3	18.5	14.7	11.7	9.3	7.4	5.9	4.6	3.7	2.9	2.3	1.8	1.5
20	600	476.6	378.6	300.7	238.9	189.7	150.7	119.7	95.1	75.5	60.0	47.7	37.9	30.1	23.9	19.0	15.1	12.0	9.5	7.6	6.0	4.8	3.8	3.0	2.4	1.9	1.5

My thanks to Chuck Gadd for helping me troubleshoot the formula. Red means CO2 is high, Green is just right and Blue is low.
CO2 levels are in PPM