

Water Treatment Tables

For Water Balance

Alkalinity



Lowering Alkalinity with Muriatic Acid

ppm	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	pt	oz	pt	oz	pt	oz	pt	oz	pt	oz
10	0	2.5	0	13	1	10	3	4	8	2.5
20	0	5	1	10	3	4	6	8.5	16	0
30	0	8	2	7	4	14	9	13	24	0
40	0	11	3	4	6	8.5	13	0.5	32	0
50	0	13	4	1	8	2.5	16	0	40	0
60	0	16	4	14	9	13	19	0	48	0
70	1	2	5	11	11	6.5	22	0	57	0
80	1	5	6	8.5	13	0.5	26	0	65	0
90	1	7.5	7	5.5	14	11	29	0	73	0
100	1	10	8	2.5	16	4.5	32	0	81	0

Lowering Alkalinity with Dry Acid

ppm	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	lb	oz	lb	oz	lb	oz	lb	oz	lb	oz
10	0	3	1	0	2	0	4	0	10	0
20	0	6	2	0	4	0	8	0	20	0
30	0	10	3	0	6	0	21	0	30	0
40	0	13	4	0	8	0	16	0	40	0
50	1	0	5	0	10	0	20	0	50	0
60	1	3	6	0	12	0	24	0	60	0
70	1	6	7	0	14	0	28	0	70	0
80	1	10	8	0	16	0	32	0	80	0
90	1	13	9	0	18	0	36	0	90	0
100	2	0	10	0	20	0	40	0	100	0

Raising Alkalinity with Sodium Bicarbonate

ppm	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	lb	oz	lb	oz	lb	oz	lb	oz	lb	oz
10	0	2	0	11	1	7	2	13	7	1
20	0	5	1	7	2	13	5	10	14	1
30	0	7	2	2	4	4	8	7	21	2
40	0	9	2	13	5	10	11	4	28	2
50	0	11	3	8	7	1	14	1	35	3
60	0	14	4	4	8	7	16	14	42	3
70	0	16	4	5	9	14	19	11	49	4
80	1	2	5	10	11	4	22	8	56	4
90	1	4	6	5	12	11	25	5	63	5
100	1	7	7	1	14	1	28	2	70	5

Calcium Hardness

Raising Hardness with Calcium Chloride

ppm	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	lb	oz	lb	oz	lb	oz	lb	oz	lb	oz
10	0	2	0	10	1	4	2	7	6	2
20	0	4	1	4	2	7	4	15	12	4
30	0	6	1	13	3	11	7	6	18	7
40	0	8	2	7	4	15	9	13	24	9
50	0	10	3	1	6	2	12	4	30	11
60	0	12	3	11	7	6	14	12	36	13
70	0	14	4	5	8	10	17	3	42	16
80	0	16	4	15	9	13	19	10	49	2
90	1	2	5	8	11	1	22	2	55	4
100	1	4	6	2	12	4	24	9	61	6

A significant amount of heat can generated when mixing calcium chloride in water. Follow manufacturer's recommendations carefully.

Cyanuric Acid (stabilizer)

Establishing or raising Cyanuric Acid level

ppm	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	lb	oz	lb	oz	lb	oz	lb	oz	lb	oz
10	0	1	0	7	0	13	1	11	4	3
20	0	3	0	13	1	11	3	5	8	6
30	0	4	1	4	2	8	5	0	12	8
40	0	5	1	11	3	5	6	11	16	11
50	0	7	2	1	4	3	8	6	20	14

Conversions

1 ounce (dry) = 28.35 grams

1 ounce (liquid) = 29.57 milliliters

1 pint = 0.4732 liter

1 gallon = 3.785 liters

1 pound = 453.6 grams

1 foot = 0.3048 meter