



Horizon CPO Seminars

2125 Energy Park Drive
 St. Paul, MN 55108
 651.917.3075 or 800.969.0454
 Fax: 651.917.3087



GOAL: To achieve a pH of 7.5
 To raise pH – use Soda Ash
 To lower pH – use Muriatic Acid or Sodium Bisulfate / pH Decreaser

If pH Is	BELOW 6.6	6.8 to 7.0	7.0 to 7.2	7.2 to 7.4	7.4 to 7.6	7.6 to 7.8	7.8 to 8.0	8.0 to 8.2	ABOVE 8.4
Add for Each 10,000 gallons	1 Pound Dry Soda	3/4 Pound Dry Soda	1/2 Pound Dry Soda	1/4 Pound Dry Soda		1/2 Pint Muriatic Acid	1 Pint Muriatic Acid	1.5 Pint Muriatic Acid	1 Quart Muriatic Acid

Caution:

Do not exceed 1 gallon of Muriatic Acid per 40,000 gallons of pool water in a 24 hour period!

To Increase Total Alkalinity

- Add 1.5 pounds of Alkalinity Increaser (Sodium Bicarbonate) per 10,000 gallons of pool water for each 10 PPM to be raised

To Lower Total Alkalinity

- Add Muriatic Acid as determined by the above chart
- Maintain a PH of 7.4 – 7.5 consistently and total Alkalinity will gradually come down

To Raise Calcium Hardness

- Add 1 pound of Hardness Increaser (Calcium Chloride Flakes) per 10,000 gallons of pool water to increase hardness 10 PPM
- Dilute in water and add in small doses

To Lower Total Dissolved Solids

- Lower water level and add fresh water (TDS cannot be chemically removed)

Ideal Ranges

PH	7.4 – 7.6
CHLORINE	1.5 – 3.0
TOTAL ALKALINITY	80 – 120
CALCIUM HARDNESS	200 – 400
CYANURIC ACID	25 – 40
TDS	Not over 2000
2 CUPS = 1 POUND	