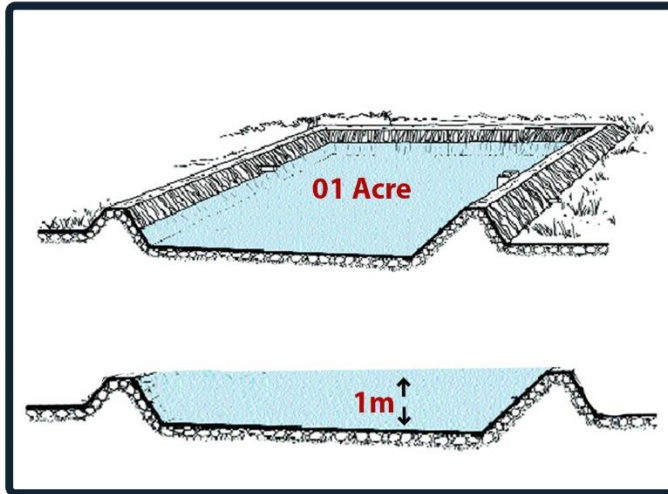


Using Chlorine Powder to Disinfect Aquaculture Ponds

"Adding chlorine powder to aquaculture ponds helps to clean the water and create a hygienic environment by killing harmful bacteria, predators and disease-causing agents. It also helps to control the growth of algae which will accelerate breeding of shrimp/prawns. Depending on the quality of water used for aquaculture ponds as well as the microorganisms inherently present in it, international guidelines highlight the need to use a chlorine level somewhere in the range of **10 - 20ppm** in order to achieve an effective disinfection."



Desired chlorine Concentration Increase in pool ppm	Quantity of Përoma SBP to be used per 100,000L of pond water (Kilograms per 100,000L)
↑ 10	2.80
↑ 12	3.35
↑ 15	4.20
↑ 20	5.60
↑ 30	8.60



Example A: 1-acre pond with 1m water depth (**12ppm**)

$$1 \text{ acre} = 4,046\text{m}^2$$

$$\begin{aligned} \text{Volume of water(m}^3\text{)} &= \text{Area of pond(m}^2\text{)} \times \text{Depth(m)} \\ &= 4046 \times 1 \\ &= 4,046\text{m}^3 \end{aligned}$$

$$\begin{aligned} \text{Volume of water(L)} &= \text{Volume of water(m}^3\text{)} \times 1000 \\ &= 4046 \times 1000 \\ &= 4,046,000 \text{ L} \end{aligned}$$

$$\begin{aligned} \text{Quantity of Përoma SBP} &= [\text{Volume of water(L)} \div 100000] \times \mathbf{3.35} \\ &= [4046000 \div 100000] \times \mathbf{3.35} \\ &= \mathbf{135 \text{ kilograms}} \end{aligned}$$

Example B: 1-acre pond with 1m water depth (**15ppm**)

$$1 \text{ acre} = 4,046\text{m}^2$$

$$\begin{aligned} \text{Volume of water(m}^3\text{)} &= \text{Area of pond(m}^2\text{)} \times \text{Depth(m)} \\ &= 4046 \times 1 \\ &= 4,046\text{m}^3 \end{aligned}$$

$$\begin{aligned} \text{Volume of water(L)} &= \text{Volume of water(m}^3\text{)} \times 1000 \\ &= 4046 \times 1000 \\ &= 4,046,000 \text{ L} \end{aligned}$$

$$\begin{aligned} \text{Quantity of Përoma SBP} &= [\text{Volume of water(L)} \div 100000] \times \mathbf{4.20} \\ &= [4046000 \div 100000] \times \mathbf{4.20} \\ &= \mathbf{170 \text{ kilograms}} \end{aligned}$$

Recommendations, suggestions or statements made are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our conditions of sale.

WARNING



Do NOT drink chlorine water



Do NOT mix chlorine solution with other cleaning product.



Do NOT put chlorine solution in mouth or eye.