



Dosage and Application Recommendations Large Ponds

First, calculate the surface area in acres:

LENGTH

| WIDTH | Feet | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
|-------|------|------|------|------|------|------|------|------|------|-----|
| 100 | .230 | .344 | .459 | .574 | .689 | .803 | .918 | 1.03 | 1.15 | |
| 150 | .344 | .517 | .689 | .861 | 1.03 | 1.21 | 1.38 | 1.43 | 1.72 | |
| 200 | .459 | .689 | .918 | 1.15 | 1.38 | 1.61 | 1.84 | 2.07 | 2.30 | |
| 250 | .574 | .861 | 1.15 | 1.43 | 1.72 | 2.01 | 2.30 | 2.58 | 2.87 | |
| 300 | .689 | 1.03 | 1.38 | 1.72 | 2.07 | 2.41 | 2.75 | 3.10 | 3.44 | |
| 350 | .803 | 1.21 | 1.61 | 2.01 | 2.41 | 2.81 | 3.21 | 3.62 | 4.02 | |
| 400 | .918 | 1.38 | 1.84 | 2.30 | 2.75 | 3.21 | 3.67 | 4.13 | 4.59 | |
| 450 | 1.03 | 1.43 | 2.07 | 2.58 | 3.10 | 3.62 | 4.13 | 4.65 | 5.17 | |
| 500 | 1.15 | 1.72 | 2.30 | 2.87 | 3.44 | 4.02 | 4.59 | 5.17 | 5.74 | |

Second, determine the average depth. For most ponds, the average depth is approximately one-half the deepest point. Large ponds and lakes should be measured and averaged by soundings with a weighted line or pole marked in feet.

Now, determine the initial dose. We recommend 3 liters per surface acre, up to an average depth of 3 feet. Between 3 and 6 feet, add 10%. Over 6 feet average depth, use 1-3 liters per acre foot (surface acreage x average depth), depending upon surrounding conditions. Maintenance doses are usually 1 liter per surface acre, as above, but may vary with conditions. Dose once every 1-2 weeks.

Surrounding conditions can affect the working of the extract. High flow-through of water will wash the extract out of the pond and dilute its effectiveness. High levels of fertilizer and other nutrients run-off into the pond will require higher levels of Clear-It and may overwhelm the extract altogether. It is better to stop the nutrient run-off at its source. Organic matter decaying in the pond will provide nutrients and should be prevented or removed, if possible. Using a microbial product, such as Remove-It to digest organic sludge can be very helpful. Make sure there is sufficient aeration in the pond if sludge digesters are used.



Be careful not to pull on or cut string algae. This action will expose internal cells to nutrients and cause the growth rate to double or quadruple. Remove string algae only if absolutely necessary and dose immediately at the initial level or higher. Continuous exposure to high levels of sunlight will also increase the growth rate of algae. The dosage should be increased to compensate. A certain amount of experimentation is required to find the optimum dosage for the conditions of a specific pond. Extract of barley straw is an all-natural solution. The exact dosage will vary with each pond's situation. It is impossible to overdose, as the extract is completely harmless to all forms of life and safe enough to drink.

Application of Clear-It is relatively simple. Just pour it into or spray it on the water. It can be mixed with varying amounts of pond water for application – just make sure all the product gets into the water. Do not spray or pour Clear-It on the algae itself, as it has no effect on it and is a waste of product. Clear-It works by preventing the absorption of nutrients in the water. It is, therefore, essential to get it into the water, not on the algae.

The extract starts to work immediately to prevent nutrients from being absorbed. However, it takes some time for the existing algae to die and decompose. You may begin to see results in 2-3 weeks, but it can take longer for a pond's ecosystem to stabilize. The best approach is to begin dosing as soon as the water temperature reaches 50 degrees Fahrenheit and continue maintenance doses throughout the season. Adjust dosage for conditions throughout the season – for example, use more during a hot, sunny August.