

# How to Size Your Pond



## US System

Length (ft): \_\_\_\_\_

Width (ft): \_\_\_\_\_

Max Depth (ft): \_\_\_\_\_

Min Depth (ft): \_\_\_\_\_

Desired Turnover (How often would you like to turnover your pond water per hour. We recommend 1-1.5 times) \_\_\_\_\_

## To Determine the Number of Gallons in Your Pond Use These Formulas:

$$\text{Average Depth (ft)} = \left( \frac{\text{_____}}{\text{Max Depth}} + \frac{\text{_____}}{\text{Min Depth}} \right) / 2$$

$$\text{Pond Volume (gallons)} = \left( \frac{\text{_____}}{\text{Length}} \times \frac{\text{_____}}{\text{Width}} \times \frac{\text{_____}}{\text{Average Depth}} \right) \times 7.5$$

## To Determine Your Recommend Pond Liner Dementions Use These Formulas:

$$\text{Length of Liner Needed (ft)} = \left( \left( \frac{\text{_____}}{\text{Depth}} \times 2 \right) + \frac{\text{_____}}{\text{Length}} \right) + 2$$

$$\text{Width of Liner Needed (ft)} = \left( \left( \frac{\text{_____}}{\text{Depth}} \times 2 \right) + \frac{\text{_____}}{\text{Width}} \right) + 2$$

## To Determine the Pump Size Need Based on Gallons per Hour Use These Formulas:

$$\text{Pond Volume (gallons)} = \left( \frac{\text{_____}}{\text{Length}} \times \frac{\text{_____}}{\text{Width}} \times \frac{\text{_____}}{\text{Average Depth}} \right) \times 7.5$$

$$\text{Suggested Pump Size (GPH)} = \frac{\text{_____}}{\text{Pond Volume}} / \frac{\text{_____}}{\text{Desired Turnover}}$$

## To Determine the Amount/Size of Fish You Can Have in Your Pond Use These Formulas:

$$\text{Pond Volume (gallons)} = \left( \frac{\text{_____}}{\text{Length}} \times \frac{\text{_____}}{\text{Width}} \times \frac{\text{_____}}{\text{Average Depth}} \right) \times 7.5$$

$$\text{Ideal Stock Level (Total Length of All Combined Fish in Inches)} = \frac{\text{_____}}{\text{Pond Volume}} / 10$$