HOW BIG IS YOUR POND OR LAKE ?

This bulletin will attempt to make it easy to estimate the surface area of your pond in terms of acreage for the purpose of ordering product for your pond. Your state or county extension service agent may be able to consult a map and tell you what your pond's acreage is. That could make this really easy.

If not, then let's first dispense with the obvious… the regular shapes of rectangles, squares and more or less perfect circles. Remember that an acre is 43,560 square feet.

SQUARE SHAPED PONDS – Multiply two sides. Where the pond is 95 feet by 100, that's close enough for our figuring. 95 X 100 = 9500 square feet. Divide that by 43,560 and you get .218 acre, or almost one-quarter acre.

RECTANGULAR SHAPED PONDS – Multiply one short side (in terms of feet) by one of the long sides. Let's say you've got a pond that's long and narrow, 52 feet X 220. The same formula works as for squares. 52 X 220 = 11440 sq. ft. divided by 43,560 = .263 acre or, again, about a one-quarter acre pond.

CIRCULAR PONDS – If your pond is more or less round, or circular, and it's more round than oval, or oblong, in shape… then here's a website that will make your calculation easy:
http://math.about.com/library/blcirclecalculator.htm
You will need to know how far across the pond is (diameter) and that can be done using an optical distance meter… OR …know what the distance all the way around the outside of the pond is (circumference) and that can be measured with a distance measuring wheel. All you need is one of those figures and you can plug it in at the website above to get the square footage of your surface area. Let's say you're good at pacing off yardage and your pond is 335 yards around the outside. That's 1005 feet in circumference. Plug that in at the website above and learn that your pond has 80,375 sq. ft. Divide that by 43,560 and find your pond is 1.85 acres. You'll need to buy products to suit a 2 acre pond.

OVAL PONDS – This is a little more difficult, but we have a formula that makes it easier. Multiply the length X width, then multiply that by .7 Let's say the pond is oval, but your best measurements make it 168 feet long by 77 feet wide. 168 X 77 = 12,936 sq. ft. X .7 = 9055 sq. ft. Now divide that by 43,560 and learn that you have a pond of about 2 tenths of an acre.

ODD SHAPED PONDS – Ponds with multiple shapes and odd shapes are a little harder, but you can still get fairly close in your estimating. First make a map of your pond and estimate the various distances as best you can. Now, divide up the map into the shapes discussed above and figure each one of the areas individually. Add up the totals and you'll have a good estimation of how much product to buy for your pond's needs.

Call Pond Enviro or email us with your questions.
877-POND-505   or   www.PondEnviro.com