

## DETERMINING WATER VOLUME

Measure length (L), width (W), and average depth (D) in feet (ft) or meters (m) and calculate volume using one of the following formulas:

Square/Rectangular:	Circular/Elliptical:
$L(ft) \times W(ft) \times D(ft) \times 7.5 = \text{Gallons}$	$L(ft) \times W(ft) \times D(ft) \times 5.9 = \text{Gallons}$
$L(m) \times W(m) \times D(m) \times 1000 = \text{Liters}$	$L(m) \times W(m) \times D(m) \times 786 = \text{Liters}$

1 acre-foot of water =

- water measuring 208.7 ft long x 208.7 ft wide x 1 ft deep
- 43,560 cubic feet
- 325,851 gallons
- 2,780,000 pounds

$$\frac{\text{Avg. Length (ft)} \times \text{Avg. Width (ft)} \times \text{Avg. Depth (ft)}}{43,560} = \text{acre - feet of water}$$

$$\frac{\text{Avg. Length (ft)} \times \text{Avg. Width (ft)}}{43,560} = \text{acres}$$

## Pond Cleaning:

HEAVY GROWTH	LOW GROWTH
4-6 Cups per 1,000 Square Feet	2-4 Cups per 1,000 Square Feet

**Note:** 1 Lb of EcoBlast™ Contact Granular Algaecide by weight = 2 Cups in volume

### Application Instructions for Pond Cleaning:

- 1: Drain pond (remove fish & plants).
- 2: Apply EcoBlast™ Contact Granular Algaecide to all surfaces.
- 3: Rinse with water after 10-20 minutes.
- 4: Drain pond.
- 5: Re-fill pond (replace fish & plants after de-chlorinating as appropriate).

## GENERAL TREATMENT NOTES

- Treat only a half or a third of any large body of water at a time.

## APPLICATION RATES

### General Treatment Rates:

	HEAVY ALGAE GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR: Sm. Volume	3-16 Tablespoons of EcoBlast™ Contact Granular Algaecide per 1000 gallons of water.	1-5 teaspoons of EcoBlast™ Contact Granular Algaecide per 1000 gallons of water
	(16 Tbs. = 1 Cup) (2 Cups = 1 lb.)	(3 tsp. = 1 Tbs.)

For example: Backyard water gardens, ornamental ponds, ornamental waterfalls

- Control is most easily achieved when algae are not yet well established. Treat when growth first begins to appear.
- Dense, thick mats of algae throughout the water volume are indicative of heavy algae growth.
- Apply early in the morning under calm, sunny conditions, and when water temperatures are warm. Sunlight and higher temperatures both enhance EcoBlast™ Contact Granular Algaecide activity; EcoBlast™ Contact Granular Algaecide will work more slowly in colder water.
- Skim any dead algae and organic matter that rises to the water's surface after treatment. Allowing dead organics to sink and decay will provide a food source and additional nutrients that stimulate algae re-growth and further blooms.
- If using in conjunction with other water additives (such as bacteria or enzymes), always apply EcoBlast™ Contact Granular Algaecide first and wait several hours before adding any other products.
- Re-treat areas if re-growth begins to appear. Allow 48 hours between consecutive treatments.
- Maintain ponds with EcoBlast™ Contact Granular Algaecide maintenance rates at a frequency appropriate

## Rates for Treating String Algae:

POND SIZE	CURATIVE RATE
50-gallons	1 Tablespoon
100-gallons	1.5 Tablespoons
500-gallons	0.5 Cup
1,000-gallons	1 Cup

**Note:** 1 Lb of EcoBlast™ Contact Granular Algaecide by weight = 2 Cups in volume

### Application Instructions for Treating String Algae on Ornamental Waterfalls & Streams:

- 1: Check pH levels before applying EcoBlast™ Contact Granular Algaecide. EcoBlast™ Contact Granular Algaecide can raise pH levels up to 1 unit.
- 2: Apply early in the morning.
- 3: Turn off circulation.
- 4: Apply EcoBlast™ Contact Granular Algaecide to affected areas – including waterfalls and streams.
- 5: Turn circulation back on after 10-20 minutes

for your environmental conditions.

- After application, do not allow undiluted granules to remain in an area where humans or animals are exposed. Sweep up or remove undiluted granules. Undiluted granules may also be eliminated by thoroughly hosing down with water.
- Non-target plants will suffer contact burn if undiluted granules are accidentally spilled on them. Do not apply in such a way that the concentrated product comes in contact with flowering plants.
- **Never apply at higher than the applications rates indicated under the Directions for Use, as desirable plants could be potentially harmed.**
- Do not tank mix with aquatic herbicides or algaecides containing copper or bromides. Always apply EcoBlast™ Contact Granular Algaecide at least one day prior to the application of these products.

## EFFECTIVENESS FACTORS

- Effects of EcoBlast™ Contact Granular Algaecide treatment are immediately apparent (bubbling, bleaching/discoloration of algae, floating dead organic matter).

## Rates for Treating Green Water Algae:

POND SIZE	HIGH CURATIVE RATE	LOWER CURATIVE RATE
50-gallons	1 Tablespoon	0.5 Tablespoon
100-gallons	1.5 Tablespoons	1 Tablespoon
500-gallons	0.5 Cup	1.5 Tablespoons
1,000-gallons	1 Cup	3 Tablespoons

**Note:** 1 Lb of EcoBlast™ Contact Granular Algaecide by weight = 2 Cups in volume

### Application Instructions for Treating Green Water Algae:

- 1: Check pH levels before applying EcoBlast™ Contact Granular Algaecide. EcoBlast™ Contact Granular Algaecide can raise pH levels up to 1 unit.
- 2: Apply early in the morning.
- 3: Shock with EcoBlast™ Contact Granular Algaecide at the high curative rate.
- 4: Treat as needed once per week with EcoBlast™ Contact Granular Algaecide at the low curative rate in conjunction with water conditioners (such as beneficial bacteria).

- EcoBlast™ Contact Granular Algaecide treatments are successful when contact of the pesticide is made with the algae.
- Liquid applications will not sink through the water column as readily as a granular application.
- When treating surface mats and blooms, it is possible that EcoBlast™ Contact Granular Algaecide will not penetrate the water column below the infested area, and a second application is then required for treating any bottom growing algae.
- Apply more often during the summer months when water consumption and temperatures are high.

## APPLICATION METHODS

**SPREADING / BROADCASTING:** Broadcast EcoBlast™ Contact Granular Algaecide with a mechanical spreader or by gloved hand, directly on the water surface, from shore or from a properly equipped boat. A hand spreader or any other applicator that will insure uniform coverage is acceptable.

**SPOT TREATMENT:** Apply EcoBlast™ Contact Granular Algaecide directly over the infested area. Re-treatment is required when heavy growth occurs.