



Healthy Ponds Information Card Retail Applications



All-Season Pond Care is a proactive, step-by-step program approach to naturally managing fresh water ponds and lakes. Products are applied to improve water quality and clarity and to rid a pond of disease-carrying pests. The components include **Pond Cleaner** (Warm & Cold Water Formulas), **Healthy Ponds MOSQUITO CONTROL**, **Testing**, and **pH Balancing** products. The process is simple: TBTR – Test, Balance, Treat, Repeat!

T B T R:

Test to determine the water quality and assess if the ecosystem is in balance. Use **4-in-1 Test Strips** to test pH, alkalinity, nitrite and nitrate. Use **Ammonia Test Strips** to test total ammonia levels in ponds with fish.*

Balance the pH level if it's below 6.0 or above 8.5. Use either **pH UP** or **pH DOWN** to adjust the pH in the pond to a proper level.*

Treat your pond with **Pond Cleaner** and **Healthy Ponds MOSQUITO CONTROL**.*

Repeat. Test your water at least monthly, if not weekly, and balance pH as necessary. Replace your **Pond Cleaner** packet every 30 days (or AquaSphere). Reapply **Healthy Ponds MOSQUITO CONTROL** every 7-14 days or as directed on label.

*See back for more information

Healthy Ponds Dispenser & Pond Cleaner

uses naturally occurring, beneficial bacteria to break down organic debris and reduce excess nutrients present in water. **Pond Cleaner** is distributed into the pond using a **patented dispensing system**. Utilizing a dispenser is very important and is what sets us apart from our competitors. The **dispenser acts as an incubator**, allowing bacteria and enzymes to be released into a pond continually: 24 hours a day, 7 days a week, over a 30-day period. These enzymes rapidly break down organic sludge on the bottom of a pond, allowing further consumption by the bacteria present.

Healthy Ponds MOSQUITO CONTROL is a highly selective microbial larvicide that kills mosquitoes before they ever take flight, including those that may transmit diseases. It is produced from a naturally occurring strain of *Bacillus thuringiensis* subspecies *israelensis* (*Bti*) bacteria. It produces a

protein toxin (crystal) which, when released in the water and ingested, kills mosquitoes while they're still in the larval stage.

Pond Cleaner / HEALTHY PONDS MOSQUITO CONTROL Synergy:

Treating the entire body of water to reduce the amount of nutrients present and killing mosquito larvae with *Bti* is a cost-effective way to minimize mosquitoes and the threat of West Nile virus. Reducing excess nutrients to a "normal" or "balanced" level reduces the dosage of **Healthy Ponds MOSQUITO CONTROL** by up to a factor of 4.

Setting Expectations:

Since this is a natural process, results won't happen overnight. People typically see results in 4-6 weeks. If a pond has heavy organic matter or excessive nutrient buildup, it may take 8 weeks or longer. However, once the system becomes balanced, results are more easily sustained. In addition, it is very common to see algae in your pond soon after you've added **Healthy Ponds Pond Cleaner**. It takes time for the bacteria to break down the excess nutrients and for the water to become clean and clear.

Correctly Sizing the Pond is Critical!

Establishing the correct size of your pond from the very beginning is extremely important. Because **Healthy Ponds Pond Cleaner** is a natural product, over-treating a body of water will have no adverse effect. However, under-sizing and thus under-treating will not achieve the desired results.

Rectangular or Square Ponds:

$$\text{Length} \times \text{width} \times \text{avg. depth} \times 7.5 = \text{gallons} \quad (10' \times 12' \times 3' = 360 \text{ sq. ft.} \times 7.5 = 2700 \text{ gallons})$$

Circular Ponds:

$$\text{Diameter} \times \text{diameter} \times \text{avg. depth} \times 5.875 = \text{gallons} \quad (17' \times 17' \times 2.5' = 722.5 \text{ cu. ft.} \times 5.875 = 4245 \text{ gal})$$

Dispenser size conversion:

- All retail dispensers (floating lily's, frog, submersible) can hold refills packets up to 2500 gallons.
- For ponds over between 2500 – 10,000 gallons, use the 10,000 Gallon Submersible Dispenser.
- For ponds over 10,000 gallons (or 10,890 sq ft) use ¼ acre AquaSphere.

For more information, visit our website at www.bioverse.com.

FAQs:

Why test my pond water?

Testing is necessary for two reasons. First, it is important to know initial conditions to ensure the pH is in range to sustain bacteria growth. Second, this allows the ability to track changes in water conditions over time.

Why is pH so important?

Controlling pH is critical to survival of beneficial bacteria and establishing a balanced ecosystem. If pH is too high or too low, bacteria won't thrive.

Will *Healthy Ponds Pond Cleaner* get rid of my string algae or red algae?

Healthy Ponds Pond Cleaner is not an algaecide. It is a natural pond cleaning system that balances your ecosystem. As a result of using our product, water becomes cleaner and clearer.

Will *Healthy Ponds Pond Cleaner* control weeds?

No, the best way to take care of weeds is to physically remove or harvest them.

Is *Healthy Ponds Pond Cleaner* safe for my fish or pets?

When used as directed, *Healthy Ponds Pond Cleaner* has no adverse affects on humans, fish, plants or pets.

Will the number of fish I have affect the performance of *Healthy Ponds Pond Cleaner*?

Absolutely. One of the biggest mistakes pond owners make is overstocking and overfeeding fish. A general rule of thumb in the pond industry is 1 koi per 100 gallons, or 1 inch of fish per 10 gallons. For example, only 1 koi or two 5-inch goldfish should be in a 100-gallon pond. We highly recommend using a filtration system with fish.

Can I use algaecides or other chemicals with *Healthy Ponds Pond Cleaner*?

We do not recommend the use of algaecides in conjunction with *Healthy Ponds* products, as they will kill the bacteria necessary to create a balanced ecosystem. If algaecides or other chemicals were used, we recommend waiting at least 2 weeks before treating the pond with *Healthy Ponds Pond Cleaner*.

How do I install/deploy my AquaSphere?

Pond Cleaner AquaSpheres should be placed into the water in an area where water movement will aid in maximizing dispersion. Spheres may be fully submersed or allowed to float at the surface. Spheres should be anchored in place to keep them

from drifting and tethered or marked to allow speedy retrieval.

How much *Healthy Ponds MOSQUITO CONTROL* should I use?

- **For granular use (2 lb jar) sprinkle uniformly at 7-14 day intervals:**
 - 1 pound to cover 4356 square feet
 - 1 cup to cover 1200 square feet
 - ¼ cup to cover 300 square feet
 - 1 tablespoon to cover 75 square feet
 - 1 teaspoon to cover 25 square feet
- **300 Gallon Disposable Dispensers & Refill Packets** treat up to 300 gallons (15 sq. ft.) for up to 30 days.
- **2500 Gallon Disposable Dispensers & Refill Packets** treat up to 2500 gallons (125 sq. ft.) for up to 30 days.

Where can I apply *Healthy Ponds MOSQUITO CONTROL*?

Water gardens, ponds, bird baths, fountains, stock tanks, statuary, lagoons, rain barrels, flower pots, planters, plant trays, garbage cans, old tires, roof gutters, drains, buckets, flood water, hollow trees, tree holes, abandoned or unused swimming pools, standing water, lakes, plastic trays, plastic covers, wheelbarrows, other water holding receptacles.

What are normal testing limits?

- **pH:** Below 6.0 add pH UP, 6.0 – 8.5 Normal, above 8.5 add pH DOWN
- **Alkalinity:** Less than 100, pH will change easily, 100-200 normal range, 200+ pH change is difficult
- **Nitrite:** 0-.75 OK, .75-4.0 High, 5.0+ toxic
- **Nitrate:** 0-50 OK, 50+ high
- **Ammonia:** 0-.25 OK, .25-.5 high, .5 toxic to fish

How much pH UP or pH DOWN do I use?

To raise your pH level, use pH UP at the application rate of 3 tablespoons per 1000 gallons (example: use 1 ½ tbsp for a 500 gallon pond). To lower your pH level, use pH DOWN at the application rate of 2 tablespoons per 1000 gallons (example: use 1 tbsp for a 500 gallon pond). Do not exceed this amount within 24 hours as you need to make changes to pH very gradually, no more than 0.2 points per day.