

# FACT SHEET



**PHOSPHATE FREE (16 oz.) - treats 30,000 gal. gallons**

- **Starves Pond Algae**
- **Phosphate Levels Reduced in Hours**
- **Improves Pond Water Clarity by Removing Excess Nutrients and Preventing Harmful Run-Off**
- **Non-Toxic Solution of Minerals**
- **Cutting Edge Technology for Preventative Pond Health**

## Why Use Phosphate Free?

On our Homepage we talk about the potentially serious problem of nutrient loading in ponds. Nutrient loading caused predominately by over-feeding or excessive amounts of decomposing plant or fish wastes can lead to oxygen depletion along with an increase in ammonia levels that can kill aquatic life. This entire problem is related to little green plants known as algae. Algae require dissolved nutrients and sunlight to thrive. Algae produce oxygen through photosynthesis during sunlight hours and use some of that oxygen to power their activity at night. Under balanced pond conditions algae occur at a level where they can provide oxygen to the air and water and still have enough oxygen remaining for night time consumption. When excessive algae growth occurs due to nutrient loading there is often not enough oxygen to satisfy night-time algae requirements. Oxygen depletion then occurs, and it is frequently deadly to fish.

Nutrient loading occurs when nutrients cannot be tied up by plants or removed by filtration and concentrate in the water. Algae growth, spurred by these excess nutrients and plenty of sunlight then overloads the pond water. A primary nutrient for algae growth in ponds is Phosphorous. Excess algae often blocks your view of fish, and extra phosphorous caused by fertilizers, or over-feeding when mixed with an abundance of Nitrates in the water create problems that cannot be easily managed without the proper information or products. By limiting the amount of Phosphorous in your pond water the problems associated with nutrient loading, like oxygen depletion, soupy green colored pond water, and excess ammonia can be greatly reduced. Phosphate Free effectively removes phosphorous from pond water in hours. It improves water clarity, preserves healthy water conditions, and is non-toxic.

## When to use Phosphate Free?

Oxygen problems associated with nutrient loading are especially prevalent during summer months. When water warms and its temperature rises its ability to hold oxygen decreases. So under these conditions if a large algae bloom occurs from excess nutrients in water the oxygen produced by the algae during the day will not be available for use during the dark cycle. Test your pond water for phosphate level using commercially available test kits. Especially in the summer use Phosphate Free any time your phosphate level tests above 0.1 ppm.

## How to use Phosphate Free?

Follow label dose directions. Phosphate Free will temporarily cloud pond water. This will clear rapidly. 16 oz. treats up to 30,000 gallons.

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