



# Phosphorus Reduction Agent

*Avir Natural Water* Phosphorus Reduction Agent (PRA) provides a reliable solution that reduces and maintains low PO<sub>4</sub> levels in a lake or pond.

PRA outperforms standard clay and aluminum phosphorus controlling products by tying the soluble and insoluble phosphorus to *Avir Natural Water* PRA's active ingredient. As the product precipitates through the water column, it attracts and flocculates the PO<sub>4</sub> on a molecular level and binds it. There is no consequent decrease in alkalinity and therefore no dangerous drop in pH.

By binding soluble and insoluble PO<sub>4</sub>, *Avir Natural Water* PRA can be used regularly to safely manage phosphorus levels.

- Food-grade formula
- Safer than using alum
- Helps to eliminate suspended solids and promotes flocculation
- Can be applied with *Avir Natural Water* Enzymes, Bacteria and Trace Minerals

### Avir Environmental Corporate Mailing

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## Phosphorus Reduction Agent Application Guidelines

### Application Rate

(1 acre foot = a surface acre 1' deep or 326,000 gallons)

Weekly: 3 gallons per acre foot (9.0 ppm) to achieve a desired reduction of 0.3 ppm PO<sub>4</sub>  
Dilute product with enough water to uniformly treat water surface area

### For Optimum Results

- Dilute and use as directed
- Always disperse product evenly over water surface or ensure a thorough mix throughout the water body
- Apply when ambient temperature is 50°-90° F; dissolved oxygen level is over 1.0 ppm; pH is 6-8 alkalinity is less than 100 ppm
- Mix diluted product thoroughly before applying
- Treat daily with 1/7<sup>th</sup> of weekly dose using an automatic feed system
- Use with other *Avir Natural Water* Enzyme, Bacteria and Trace Mineral products for a full lake or pond treatment program
- Proper aeration will enhance product performance

### Technical Specs

In Use pH Range:.....Neutral  
Solubility in Water.....Soluble  
Odor.....None  
Appearance.....Clear to slightly hazy liquid

### Packaging, Handling and Storage

Size	Package	Dimensions (LxHxW)	Weight
2.5-gal	2/case	14" x 9" x 15"	48 lbs
5-gal	pail	12" x 10" x 15"	48 lbs
55-gal	drum	24" dia. x 36" H	475 lbs

Store this product out of direct sunlight in a cool dry area. For best results, use within 12 months. Request an *Avir Natural Water* Phosphorus Reduction Agent MSDS for more specific information.

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