

This SePRO aquatic guide provides the information needed to effectively manage water bodies commonly found on greenhouse and nursery-type settings. Managing aquatic weeds, algae, and water quality is very simple with a little know-how and the right portfolio of products.

SePRO Corporation has been a leader for over 20 years in acquiring, developing, manufacturing and marketing value-added products, especially aquatic products and especially for the ornamental industry. The aquatic products outlined in this guide represent the most dependable tools available today for successfully managing aquatic weeds, algae and water quality.

SeClear & SeClear G Algaecide and Water Quality Enhancer®

SeClear is the first algaecide and water quality enhancer in one designed to replace routine algaecide programs. SeClear provides effective control of a broad range of algae species while reducing in-water phosphorus levels with each application. The result is longer lasting control, improved water quality and aesthetics with reduced maintenance required over time. Water treated with SeClear may be used for drinking, swimming, fishing, watering livestock and irrigation immediately following treatment.



SeClear G - This new granular formulation can be broadcast as a granule or dissolved and sprayed, has less bulk and can be directly applied to bottom algae including muskgrass/Chara.

Product	Application Rate	How to Apply	Used For
SeClear (gal) SeClear G (lbs)	<p>Greater than 50% coverage: Spot treat using 20 gals per acre or 54 lbs SeClear G (treat 1/4 acre with 5 gal or 13.5 lbs).</p> <p>Less than 50% coverage: Treat entire area of algal coverage</p> <p>1/2 acre: 6.5 gals or 18 lbs 1 acre: 13 gals or 35 lbs</p> <p>(assumes average 4 ft depth)</p>	<p>For best results, apply in Spring at first sight of algae and continue a maintenance program every 2 - 4 weeks regardless if algae is present or not. Treat algae mat evenly. If your pond is 75% covered, treat only 1/2 of algae infestation, wait 14 days before treating opposite half. In hot weather or when fish are stressed, treat only 1/4 to 1/3 of algae infestation at a time.</p>	Filamentous Algae Planktonic Algae Muskgrass/Chara (SeClear G)
			No irrigation restrictions.

Phoslock® Phosphorus Locking Technology

Phoslock is a patented phosphorus locking technology to restore water quality in ponds, lakes and reservoirs. Phoslock is rapidly emerging as the most effective phosphorus inactivation and water quality restoration solution. Some of its key features include very low toxicity, the ability to permanently bind free reactive phosphorus (FRP) over a wide range of water chemistries and it does not form flocs. Water treated with Phoslock may be used for drinking, swimming, fishing, watering livestock, and irrigation immediately following treatment.



Product	Application Rate	How to Apply	Used For
Phoslock	<p>Recovery: 150 - 300 lbs per acre (assumes average 4 ft depth)</p> <p>Reset: Contact a SePRO Technical Specialist for a custom prescription</p>	<p>Recovery: Create a slurry using a ratio of 1 - 3 lbs of Phoslock per 1 gal of water while agitating. Disperse evenly over entire surface.</p> <p>Reset: This custom prescription will permanently remove phosphorus from BOTH the water column and sediment layer. A customized prescription is needed for each water body.</p>	Permanently removes phosphorus from the water column and sediment leading to improved water quality.
			No irrigation restrictions.

Komeen® Crystal Aquatic Herbicide

Submersed aquatic weeds and algae such as hydrilla, vallisneria, muskgrass/Chara and others can render water bodies on golf courses, parks and private property unsightly and unusable, especially for irrigation. Komeen Crystal provides consistent on-contact, broad-spectrum control of nuisance weeds and bottom algae in a wide variety of application situations including high turnover and small spot treatment areas. Water treated with Komeen Crystal can be used immediately after treatment for irrigation, drinking, fishing, swimming and recreation.

Product	Application Rate	How to Apply	Used For
Komeen Crystal	Algae and/or Weeds, Shallow Water: 40 lbs per acre (2 bags) Weeds, Deep Water and High Flow Sites: 60 lbs per acre (3 bags) (assumes average 4 ft depth)	Apply granules directly onto weed or algae beds.	Coontail Elodea Egeria Eurasian Watermilfoil Hydrilla Muskgrass/Chara Naiads Pondweed Starry Stonewort Vallisneria Water Hyacinth No irrigation restrictions.

Also available: Komeen liquid

PAK® 27 Algaecide

PAK 27 is an effective and environmentally compatible algaecide that can be used as both a selective and broad-spectrum algae control solution. PAK 27 is Organic Materials Reviews Institute (OMRI) certified for organic use and is NSF/ANSI Standard 60 certified for use in drinking water supplies at maximum labeled rates.



Product	Application Rate	How to Apply	Used For
PAK 27	Greater than 50% Coverage: Spot treat using 200 lbs per acre (treat 1/4 acre with 50 lbs). Less than 50% coverage: Treat entire area of algal coverage. 1/2 acre: 50 lbs 1 acre: 100 lbs (assumes average 4 ft depth)	For best results, apply in Spring at first sight of algae and continue a maintenance program so algae never takes over the entire pond. Treat algae mat evenly. If your pond is 75% covered, treat only 1/2 of algae infestation, wait 10 to 14 days before treating opposite half. In hot weather or when fish are stressed, treat only 1/4 to 1/3 of algae infestation at a time.	Filamentous Algae Planktonic Algae No irrigation restrictions.

Some species of algae may need higher rates. For species identification consider SeSCRIPT Algae & Water Quality Prescription Services. Ask your SePRO Technical Specialist for more information. Also available: K-Tea and Captain Algaecides.

Captain® XTR Algaecide

Captain XTR is the best available technology for the control of tough-to-control algal species. This formulation is optimized to increase penetration (INFUSION) of copper into algae cells especially challenging colonial, mat-forming and mucilaginous species such as *Aphanizomenon*, *Hydrodictyon*, *Oscillatoria*, *Lyngbya* and *Microcystis*. Water treated with Captain XTR may be used for swimming, fishing, watering livestock and irrigation during and after application (including directly into irrigation).

Product	Application Rate	How to Apply	Used For
Captain XTR	Greater than 50% coverage: Spot treat using 10 gals per acre (treat 1/4 acre with 2.5 gals) Less than 50% coverage: Treat entire area of algal coverage 1/2 acre: 3 gals 1 acre: 6 gals (assumes average 4 ft depth)	For best results, apply in Spring at first sight of algae and continue a maintenance program so algae never takes over the entire pond. Treat algae mat evenly. If your pond is 75% covered, treat only 1/2 of algae infestation, wait 10 to 14 days before treating opposite half. In hot weather or when fish are stressed, treat only 1/4 to 1/3 of algae infestation at a time.	Filamentous Algae Planktonic Algae Muskgrass/Chara No irrigation restrictions.

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