

Bringing out the best in

# Pond Management

Product Use Guide



## Introduction

This SePRO aquatic guide provides the information needed to balance and restore ponds and lakefronts. Managing aquatic weeds, algae and water quality is very simple with a little know-how and the right portfolio of products.

For more than 27 years, SePRO has been dedicated to providing expertise and environmentally responsible solutions for aquatic plant, algae, and water quality management.

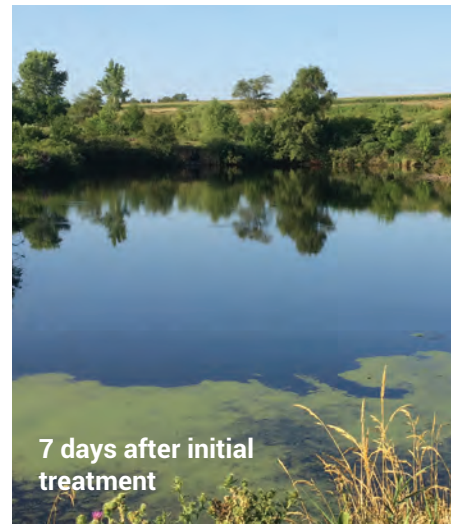


## Pond Care 101

- The best results are attained when an integrated approach is taken
- Keep fertilizer away from ponds to prevent runoff
- Use fertilizer with low or no phosphorus to prevent feeding algae
- Leave a buffer of natural plant species around ponds
- Limit geese population
- Use dyes to limit light penetration

## Identifying the type of weed or algae you want to control

The most common aquatic weeds fall into the categories listed below.



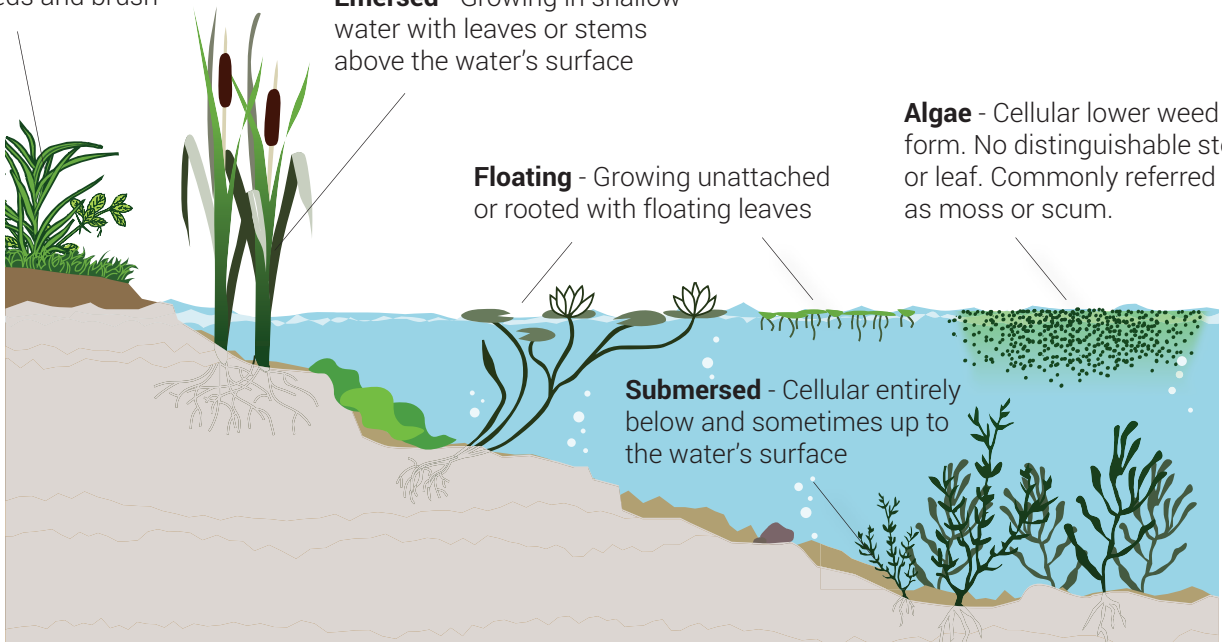
**Terrestrial** - Shoreline weeds and brush

**Emersed** - Growing in shallow water with leaves or stems above the water's surface

**Floating** - Growing unattached or rooted with floating leaves

**Algae** - Cellular lower weed form. No distinguishable stem or leaf. Commonly referred to as moss or scum.



**Submersed** - Cellular entirely below and sometimes up to the water's surface



## 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
<b>SeClear and SeClear G Algaecide and Water Quality Enhancer</b> 	<p><b>Greater than 50% coverage:</b> 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><b>Less than 50% coverage:</b> Treat entire area of algal coverage</p> <p><b>1/2 acre:</b> 6.5 gals or 18 lbs  <b>1 acre:</b> 13 gals or 35 lbs (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>	<p>Filamentous Algae Planktonic Algae Muskgrass/Chara (SeClear G)</p> <p><b>No irrigation restrictions</b></p> 


## 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
<b>Captain XTR</b> 	<p><b>Greater than 50% coverage:</b> Spot treat using 10 gals per acre (treat 1/4 acre with 2.5 gals)</p> <p><b>Less than 50% coverage:</b> Treat entire area of algal coverage</p> <p><b>1/2 acre:</b> 3 gals  <b>1 acre:</b> 6 gals (assumes average 4 ft depth)</p>	<p>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.</p>	<p>Filamentous Algae Planktonic Algae Muskgrass/Chara</p> <p><b>No irrigation restrictions</b></p>

## Phycomycin® Algaecide/Cyanobacteriocide


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

Product	Application Rate	How to Apply	Used For
<b>Phycomycin</b> 	<b>Greater than 50% coverage:</b> <b>1/2 acre:</b> 50 lbs per acre-ft. <b>1 acre:</b> 100 lbs per acre-ft.  <b>Less than 50% coverage:</b> 3 - 75 lbs per acre-ft.	Broadcast with a mechanical spreader or gloved hand directly onto water surface.  Liquid application, dissolving product and spraying over the surface or apply sub-surface via piping system, hoses or spray.  Drip irrigation  Sprinklers	Filamentous Algae Planktonic Algae   <b>No irrigation restrictions</b>



## EutroSORB™ Phosphorus Filtration Technology

EutroSORB filters are a novel technology specifically designed for intercepting soluble reactive phosphorus (SRP) from moving water. EutroSORB provides water resource managers an efficient and economical solution to reduce phosphorus inputs, slow down or stop the eutrophication process, and restore water quality.




Product	Application Rate	How to Apply	Used For
<b>EutroSORB</b> 	Each EutroSORB filter can bind up to a 1/4 lb. of phosphorus or more.	<b>Place the filter(s) in moving water.</b> Position the filters to promote water to pass through the filters as much as possible.  <b>Leave the filter(s) in place for 8 weeks.</b> Rotate the filters periodically to optimize results.	To rapidly remove phosphorus from moving water. EutroSORB reactive filter media has a high affinity and capacity for phosphorus and will continue to bind phosphorus until all binding sites have been exhausted.  <b>No irrigation restrictions</b>

Algae can have various nuisance and toxic effects on the ecological, health, and aesthetic on your pond, such as excessive scums, odors, and potentially dangerous toxin production.

## Sonar® Aquatic Herbicide

Sonar provides long-term systemic control of undesirable floating, emersed and submersed weeds bringing balance back to aquatic ecosystems. Sonar can be selective or broad-spectrum pending species, rate and treatment timing and can take 30 -120 days for full control. Treating with Sonar won't restrict fishing, swimming, drinking or recreation and can be used in freshwater ponds, lakes, reservoirs, rivers, and canals. Sonar is the best aquatic herbicide available for lasting results.


- **Sonar Genesis®** (liquid) – Sonar Genesis is a unique liquid formulation for fast-acting, long-lasting control of aquatic weeds.
- **SonarOne®** (granule) – SonarOne is a unique controlled-release formulation that results in a quick initial target dose of Sonar followed by a sustained release. It is excellent for water bodies with both low and high turnover.
- **Sonar Infinity™** (WDG) – The easiest Sonar formulation to use. Highest active ingredient load equals less weight. Excellent at extending your control following a contact herbicide treatment.

Product	Application Rate	How to Apply	Used For
<b>Sonar Genesis</b> 	1 gal per acre  <b>For Watermeal:</b> Apply 1.3 gals per acre followed by 0.6 gals 1 month later. Treat early in Spring in low flowing ponds for best results. (assumes average 4 ft depth)	For best results, apply early in Spring when plants are actively growing. Sonar Genesis can be directly applied to water and will mix in 24 - 48 hours.  For faster uptake by floating plants like duckweed and floating leaved plants like lilies, mix 50/50 with water and spray directly onto leaf surfaces.	Bladderwort Coontail Duckweed Elodea Eurasian Watermilfoil Hydrilla Lily pad Naiads Pondweed Spatterdock Watermeal
<b>SonarOne</b> 	10 - 20 lbs per acre (4 - 6 ft average depth)	Apply the pellets directly to the weed bed. For best results, apply in early Spring just before plants start to grow.	Bladderwort Coontail Duckweed Elodea Eurasian Watermilfoil Hydrilla Naiads Pondweed Spatterdock
<b>Sonar Infinity</b> 	0.5 - 1 pdu/acre ft. every 2 - 4 weeks	Mix with water and apply.	Bladderwort Coontail Duckweed Elodea Eurasian Watermilfoil Hydrilla Naiads Pondweed Spatterdock

Sonar is also available in other formulations: Sonar RTU, Sonar A.S. and Sonar Q. Contact your SePRO Technical Specialist for more information or a custom prescription.


### Clearcast® Aquatic Herbicide

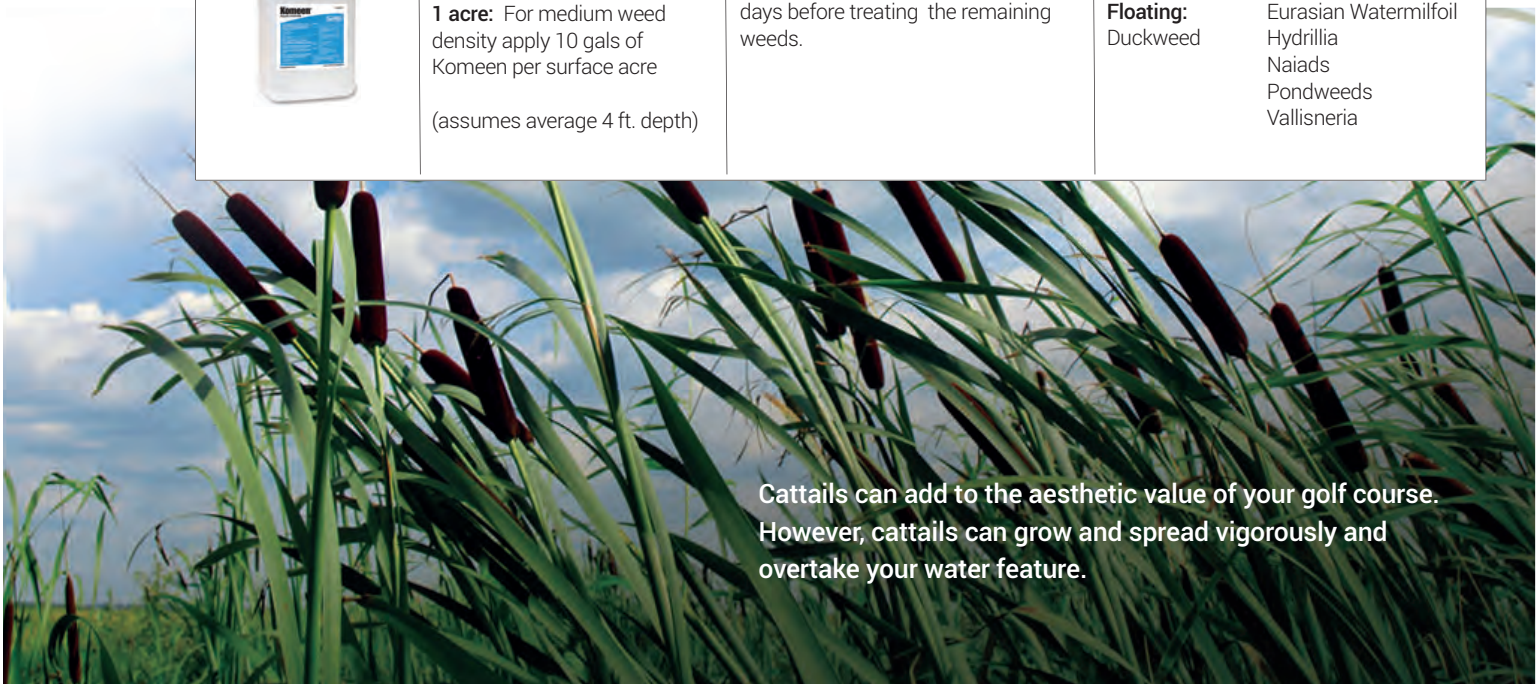
Clearcast effectively controls floating, emergent and shoreline weed species and is the best product for controlling cattails and phragmites. Clearcast's selectivity makes it ideal for aquatic areas used for fishing and other recreational activities. Minimal irrigation restrictions allow Clearcast to be applied in a large variety of aquatic environments, including golf course ponds.

Product	Application Rate	How to Apply	Used For
<b>Clearcast</b> 	<b>Emerged:</b> (above water plants) <b>1/2 acre:</b> 32 fl oz Clearcast and 16 fl oz MSO (methylated seed oil surfactant) with 20 gals of water  <b>1 acre:</b> 64 fl oz (2 qt) Clearcast and 32 fl oz MSO with 40 gals of water	<b>Emerged:</b> (use with MSO) Spray to completely wet leaf and stem surfaces.  <b>Easy to Control:</b> Use 32 fl oz/acre rate  <b>Hard to Control:</b> Use 64 fl oz/acre rate	<b>Easy to Control</b> Cattail Creeping Water Primrose Dollarweed Frog's bit Japanese Stiltgrass Pondweed Purple Loosestrife Water Hyacinth Water Stargrass Watershield  <b>Hard to Control</b> Alligatorweed Cattails/Bull Rush Common Salvinia Pennywort Phragmites Common reeds Water Lily

### Komeen® Aquatic Herbicide

Komeen provides consistent and reliable control of many nuisance weeds (such as Hydrilla, Egeria, Southern Naiad and more) in a wide variety of application situations. Ideal for quick, targeted control of nuisance submersed and floating aquatic weeds. Providing consistent and reliable post-emergent control for ornamental ponds, Komeen's unique chemistry can also effectively control copper-sensitive algae in treated water bodies.

Product	Application Rate	How to Apply	Used For
<b>Komeen</b> 	<b>1/2 acre:</b> For medium weed density apply 5 gals of Komeen per surface acre  <b>1 acre:</b> For medium weed density apply 10 gals of Komeen per surface acre  (assumes average 4 ft. depth)	Spray evenly, directly over the top of the target weeds. When treating the whole pond make first application to half of the weed bed, wait 10 - 14 days before treating the remaining weeds.	<b>Emerged:</b> Dollarweed Water Hyacinth  <b>Floating:</b> Duckweed  <b>Submersed:</b> Coontail Elodea Egeria Eurasian Watermilfoil Hydrillia Naiads Pondweeds Vallisneria





Cattails can add to the aesthetic value of your golf course. However, cattails can grow and spread vigorously and overtake your water feature.

## Renovate® Aquatic Herbicide

Renovate is a systemic aquatic herbicide labeled for control of submersed, emersed, and floating plants in and around aquatic sites. The herbicidal power of Renovate impacts most dicot (broadleaf) plants, while having little to no impact on most monocots (grassy-type species), providing an excellent tool for aquatic ecosystem restoration programs. Target species are typically controlled in 2 - 6 weeks and results are long-lasting.

- **Renovate 3** (liquid) – Renovate 3 is highly effective in selectively targeting purple loosestrife, water hyacinth, water primrose and other susceptible emerged or floating plant species using a foliar/surface application technique. A sub-surface application targeting submerged weeds, such as Eurasian watermilfoil, can be effective when applying to large target areas and/or low turnover ponds.
- **Renovate OTF** (granule) – Renovate OTF is the product of choice to improve efficacy and cost when conducting spot applications, partial lake applications (shoreline) and sites with a high dilution potential.

Product	Application Rate	How to Apply	Used For												
<b>Renovate 3</b> 	<p><b>Emersed:</b> (above water plants)  <b>1/2 acre:</b> 32 fl oz Renovate and 16 fl oz MSO (methylated seed oil surfactant) with 20 gals of water</p> <p><b>1 acre:</b> 64 fl oz (2 qts) Renovate and 32 fl oz MSO with 40 gals of water</p> <p><b>Submersed:</b> (underwater plants)  <b>1/2 acre:</b> 2.5 gals Renovate</p> <p><b>1 acre:</b> 5 gals Renovate (assumes average 4 ft depth)</p>	<p><b>Emersed:</b> (use with non-ionic surfactant) Spray to completely wet leaf and stem surfaces.</p> <p><b>Submersed:</b> Apply evenly over weed bed.</p>	<p><b>Emersed:</b></p> <table border="0"> <tr> <td>Alligatorweed</td> <td>Posion Oak</td> </tr> <tr> <td>Creeping Water Primrose</td> <td>Purple loosestrife</td> </tr> <tr> <td>Lilypad</td> <td>Spatterdock</td> </tr> <tr> <td>Phragmites</td> <td>Water hyacinth</td> </tr> <tr> <td>Pickerelweed</td> <td>Watershield</td> </tr> <tr> <td>Poison Ivy</td> <td>Willow</td> </tr> </table> <p>Selective brush control on banks and shorelines</p> <p><b>Submersed:</b></p> <p>Eurasian Watermilfoil          Milfoil species          Parrotfeather</p> <p><b>No irrigation restrictions for turf</b></p>	Alligatorweed	Posion Oak	Creeping Water Primrose	Purple loosestrife	Lilypad	Spatterdock	Phragmites	Water hyacinth	Pickerelweed	Watershield	Poison Ivy	Willow
Alligatorweed	Posion Oak														
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Phragmites	Water hyacinth														
Pickerelweed	Watershield														
Poison Ivy	Willow														
<b>Renovate OTF</b> 	<p><b>1/2 acre:</b> 80 lbs Renovate OTF</p> <p><b>1 acre:</b> 160 lbs Renovate OTF (assumes average 4 ft. depth)</p>	<p>Apply evenly over weed bed.</p>	<table border="0"> <tr> <td>Alligatorweed</td> <td>Parrotfeather</td> </tr> <tr> <td>Bladderwort</td> <td>Pennywort</td> </tr> <tr> <td>Creeping Water Primrose</td> <td>Smartweed</td> </tr> <tr> <td>Lotus</td> <td>Water Lily</td> </tr> <tr> <td>Milfoil species</td> <td>Watershield</td> </tr> </table> <p><b>No irrigation restrictions for turf</b></p>	Alligatorweed	Parrotfeather	Bladderwort	Pennywort	Creeping Water Primrose	Smartweed	Lotus	Water Lily	Milfoil species	Watershield		
Alligatorweed	Parrotfeather														
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Lotus	Water Lily														
Milfoil species	Watershield														

Contact your SePRO Technical Specialist for more information or a custom prescription.


Water lilies (floating) are some of the world's most beautiful and recognizable plants. Left unchecked, water lilies often form dense colonies blocking out sunlight and oxygen from the water.



## Harpoon® G Aquatic Herbicide


Harpoon Granular may be applied to slow moving or quiescent bodies of water, including fish hatcheries, potable water reservoirs, golf courses, ornamental, fish and fire ponds, and freshwater lakes. Areas treated with Harpoon Granular Aquatic Herbicide may be used for fishing and swimming immediately after treatment. Targeted plants are treated by plant height in water.

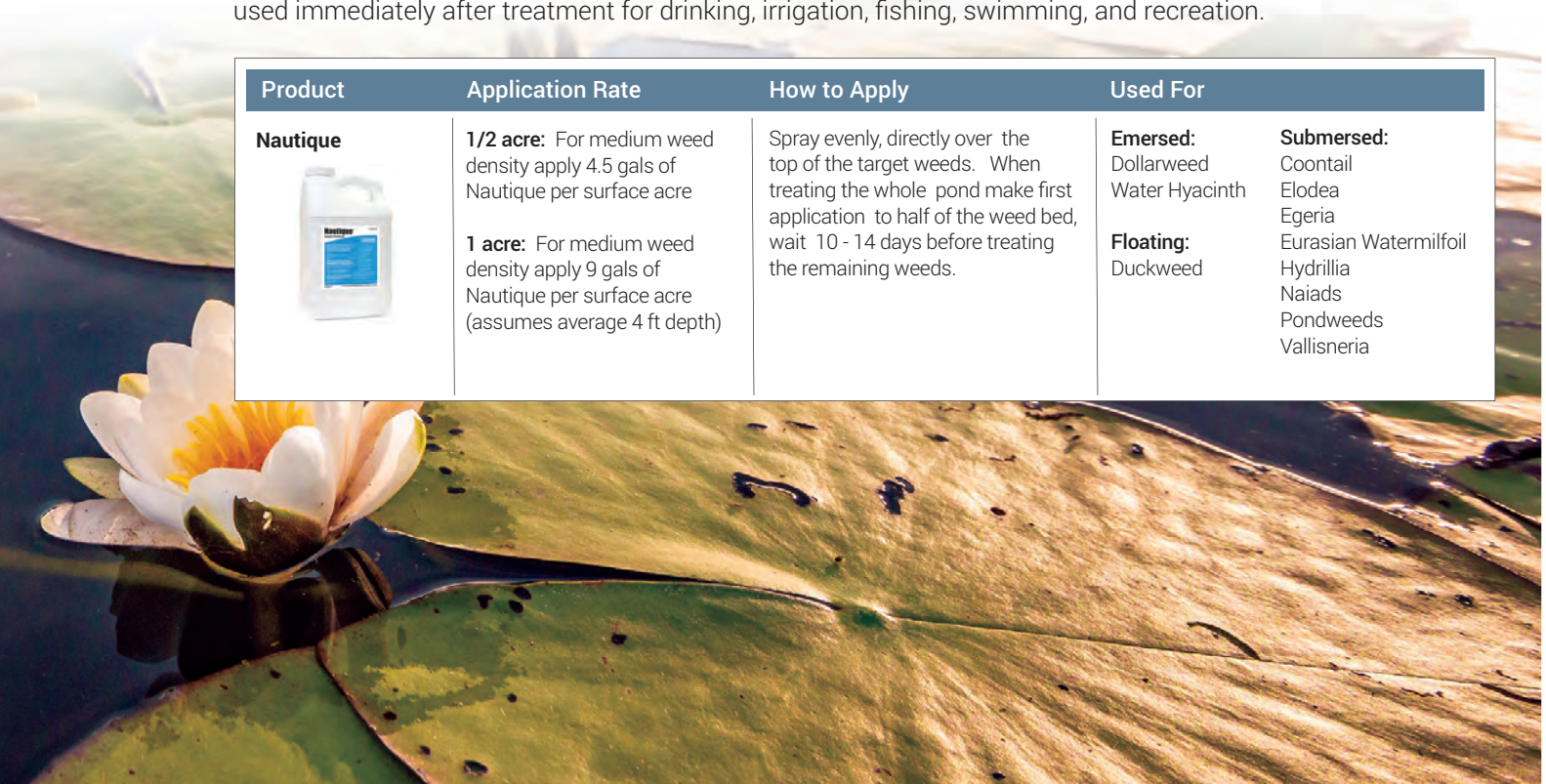
Susceptible submersed aquatic weeds such as Hydrilla, Egeria (*Brazilian Elodea*), Naiads, Coontail, Elodea, Water lettuce, Water Hyacinth, Giant Salvinia, and other species having a sensitivity to copper absorption. In waters with low alkalinity (hardness), this product may also control Eurasian Watermilfoil and Horned, Sago, American, Curly-leaf, and Floating-leaf Pondweeds.

Product	Application Rate	How to Apply	Used For
<b>Harpoon G</b> 	<p><b>Very shallow water &lt; 1ft depth:</b> 2.4 oz per 1000ft<sup>2</sup> per inch of water</p> <p><b>Shallow water:</b> 2 lbs per 1000ft<sup>2</sup> per foot of plant growth</p> <p><b>Large area treatment:</b> 40 - 80 lbs per surface acre for every foot of plant height (1 - 2 bags)</p>	<p>Distribute product evenly over the water surface directly over the targeted vegetation according to plant height. A dry fertilizer spreader or blower may be used to ensure even distribution. For small spot treatments, apply uniformly using spreader or hand scoop.</p>	<p>Hydrilla Egeria (<i>Brazilian Elodea</i>) Naiads Coontail Elodea Water lettuce Water Hyacinth Giant Salvinia</p> <p><small>This product may also control Eurasian Watermilfoil and Horned, Sago, American, Curly-leaf, and Floating-leaf Pondweeds</small></p>

## Nautique® Aquatic Herbicide

Nautique is a fast-acting, economical herbicide that provides localized control of nuisance and exotic plants with no use or irrigation restrictions. This concentrated, copper-based herbicide works on contact for spot and local treatment of tough weeds like hydrilla, egeria, and Southern naiad. Water treated with Nautique can be used immediately after treatment for drinking, irrigation, fishing, swimming, and recreation.

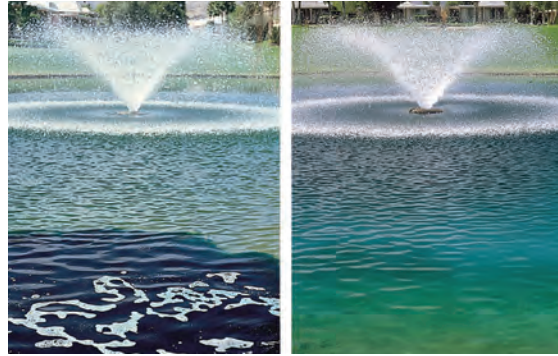
Product	Application Rate	How to Apply	Used For
<b>Nautique</b> 	<p><b>1/2 acre:</b> For medium weed density apply 4.5 gals of Nautique per surface acre</p> <p><b>1 acre:</b> For medium weed density apply 9 gals of Nautique per surface acre (assumes average 4 ft depth)</p>	<p>Spray evenly, directly over the top of the target weeds. When treating the whole pond make first application to half of the weed bed, wait 10 - 14 days before treating the remaining weeds.</p>	<p><b>Emersed:</b> Dollarweed Water Hyacinth</p> <p><b>Floating:</b> Duckweed</p> <p><b>Submersed:</b> Coontail Elodea Egeria Eurasian Watermilfoil Hydrilla Naiads Pondweeds Vallisneria</p>



## Aquashade® Aquatic Plant Growth Control by Dyes



The Aquashade products provides powerful control, up to 84% biomass reduction of tough to control invasives plants like hydrilla. Easily pour directly into water along the shoreline. Dispersion can be accelerated by applying several areas around the pond or lake, with fountains or aerators at the treatment site. Both products provide long lasting results with only periodic maintenance doses. Aquashade has limited restrictions, just allow the product to fully disperse and the treated water can be used for swimming, irrigation and livestock water consumption.

- **Aquashade® Aquatic Plant Growth Control** – More than a colorant. Aquashade Aquatic Plant Growth Control is a precise EPA registered blend of dyes proven to control underwater aquatic plants by limiting sunlight available for photosynthesis.
- **Aquashade® PLUS** – You already love our EPA registered Aquashade Aquatic Plant Growth Control, get ready to try our 2.4 times more concentrated formula. Also EPA registered, so you know this blend of dyes has been thoroughly tested and is proven to control underwater aquatic plants and algae.



Application of Aquashade

Hours after application

Product	Application Rate	How to Apply	Used For
<p><b>Aquashade PLUS</b></p> 	<p>Can be applied 13 oz. to 32 oz. per acre-ft.</p> <p>A new 50 oz. size is equivalent to 1 gallon of Aquashade Aquatic Plant Growth Control, the ideal choice for saving storage and shelf space.</p> <p>Available in larger applicator sizes – why haul water when you don't have to!</p>	<p>Pour directly into water.</p> <p>Dispersion can be accelerated by applying in several areas around the treatment site, or allowing fountains/aerators to run.</p> <p>For best results, apply early in the season, prior to plant germination.</p>	<p>Pre-emergent before growing season</p> <p>Submersed plants, subsurface and suspended algae</p> <p>Best effectiveness when water is 2 feet or deeper.</p> <p>Treated water can be used for swimming, irrigation and water for animal consumption.</p>
<p><b>Aquashade</b></p> 	<p>Can be applied 32 oz. to 80 oz. per acre-ft.</p> <p>1 gal. per 4 acre-ft (at 0.8 ppm)</p>	<p>Pour directly into water.</p> <p>Dispersion can be accelerated by applying in several areas around the treatment site, or allowing fountains/aerators to run.</p> <p>For best results, apply early in the season, prior to plant germination.</p>	<p>Pre-emergent before growing season</p> <p>Submersed plants, subsurface and suspended algae</p> <p>Best effectiveness when water is 2 feet or deeper.</p> <p>Treated water can be used for swimming, irrigation and water for animal consumption.</p>

Aquashade formulations are registered pesticides. Contact your SePRO Technical Specialist for more information or a custom prescription.

## SePRO Colorants Selections

SePRO offers a variety of colorants in blue and black options, concentrations and liquid and granule formats. These water-soluble blend of environmentally friendly dyes that dissolve quickly and impart natural color when applied to your pond, lake or water feature. Products are non-toxic to turfgrass, birds, mammals, reptiles, fish and other aquatic species.

- **Aquashadow® Black liquid** – This product is a water-soluble dye designed for use in lakes, ponds and water features with limited outflow. This product beautifies murky, cloudy or off-colored water with a pleasing, reflective dark tint.
- **Aquashadow® WSP Lake and Pond Colorants** – Concentrated dye formulations packaged in convenient no-mess pouches. The water-soluble pouches dissolves and colorant disperses throughout pond. Two offerings, a blue WSP and a black blend WSP, can be used to beautify off-colored or murky water. Just toss the pouch in your pond!
- **Blue Springs® Lake and Pond Colorant** – Beautifies water in lakes, ponds, and decorative water features. The concentrated product tints the water a pleasing blue and disperses quickly. The treated water may be used for swimming, fishing, and irrigation.

## SePRO Bacteria Selections

SePRO offers liquid, powder and pelleted bacteria products. Each product is a blend of beneficial bacteria designed to consume organic matter, improve water clarity and reduce odors in lakes and ponds. Creates a balanced pond.

- **Bacti-Klear® Aquatic Microbial Blend** – A blend of beneficial bacteria designed to consume suspended organic matter, improve water clarity and reduce odors in lakes and ponds. Creates a balanced pond.
- **Bacti-Klear® Pellets Aquatic Microbial Blend** – A blend of beneficial pelletized bacteria designed to consume organic matter on pond bottom. The beneficial bacteria produces enzymes to improve water clarity, reduce odors and reduce muck in lakes and ponds. Creates a balanced pond.
- **Revive® Biological Water Quality Enhancer** – A balanced blend of bacteria, and bacterial enzymes and nutrients that binds available nitrogen and phosphorous in a water body. Improves water clarity and reducing organic sediment buildup and odor.

[Application and Use Chart >>](#)

Colorants are water-soluble blends of environmentally friendly concentrated dyes that impart a natural color when applied to your pond, lake, or water feature.



Product	Application Rate	Tint to Water	How to Apply	Used For
 <b>Aquashadow Black Colorant</b>	<b>Smaller features:</b> 1oz. per 10,000 gallons  32 oz to 64 oz per 4 acre-ft. No dilution needed.	Black	Measure and pour directly into water. Allow product to disperse. Retreat as necessary.	Aesthetics. Beautifies murky, cloudy off-colored water.
 <b>Aquashadow Blue WSP</b>	1 WSP per acre-ft.  6 WSPs = 6 acre-ft. per pail No dilution needed.	Blue	Toss WSP into water, if more WSPs are required, toss in around the water feature.	Aesthetics. Pond dye for fishing, swimming, and irrigation ponds and other water features.
 <b>Aquashadow Black WSP</b>	1 WSP per acre-ft.  6 WSPs = 6 acre-ft. per pail No dilution needed.	Black	Toss WSP into water, if more WSPs are required, toss in around the water feature.	Aesthetics. Pond dye for fishing, swimming, and irrigation ponds and other water features.
 <b>Blue Springs Colorant</b>	32 oz. per acre-ft.	Blue	Pour from the container near the shoreline into the water. Allow to disperse. Add more product to maintain desired color.	Aesthetics. Beautifies murky, cloudy or off-colored water with a pleasing natural blue tint.
 <b>Bacti-Klear Aquatic Microbial Blend Liquid</b>	<b>Initial dose:</b> 3 gal/ acre-ft.  <b>Maintenance dose:</b> 1.5 gal/acre-ft.  Dilution: 9:1	Product is gold, dark brown, but no tint to water	Dilute and spray over surface.	To help clarify water and reduce odors by breaking down muck and suspended organic matter.
 <b>Bacti-Klear Aquatic Microbial Blend Pellets</b>	<b>Initial dose:</b> 20 lb/ surface acre  <b>Maintenance dose:</b> 10 lb/surface acre	None	Sprinkle or apply product with scoop or spreader.	Reduce muck and odors with beneficial bacteria
 <b>Revive Biological Water Quality Enhancer</b>	<b>Initial dose:</b> 3 lbs or 6 packets/acre-ft.  <b>Additional doses:</b> 1 lb or 2 packets/acre-ft.  <b>Re-treatment time:</b> 2 week intervals.  No dilution needed.	None	<b>Initial dose:</b> 3 lbs or 6 packets/acre-ft.  <b>Additional doses:</b> 1 lb or 2 packets/acre-ft.  <b>Re-treatment time:</b> 2 week intervals.  No dilution needed.	Balanced blend of bacteria, enzymes and nutrients to utilize nitrogen and phosphorus in a pond to improve water clarity, reduce odors and organic sediment.

### Problem & Solution Quick Reference Guide

Use the guide below as a quick reference in identifying which SePRO pond care product will be effective against your specific weed, algae and water quality problem.

Submersed Weeds	Sonar One	Sonar Genesis	Renovate 3/OTF	Clearcast	Harpoon G	Captain XTR	SeClear & SeClear G	Nautique	Aquashade	Aquashade PLUS
Bladderwort	●	●	●					●	●	●
Coontail	●	●			●			●	●	●
Elodea	●	●			●			●	●	●
Eurasian watermilfoil	●	●	●		●			●	●	●
Hydrilla	●	●		●	●			●	●	●
Most Pondweeds	●	●		●	●			●	●	●
Naiads	●	●			●			●	●	●
Parrotfeather	●	●	●						●	●
Vallisneria	●	●			●			●	●	●
Variable Leaf Milfoil	●	●	●		●				●	●
<b>Floating Weeds</b>										
Duckweed	●	●						●		
Watermeal	●	●								
Water Hyacinth			●		●			●		
<b>Emersed Weeds</b>										
Alligatorweed	●	●	●	●						
American Lotus	●	●	●							
Cattail	●	●		●						
Creeping Water Primrose	●	●	●	●						
Dollarweed				●	●			●		
Most Tree Species			●	●						
Phragmites (common reed)				●						
Poison Oak/Poision Ivy			●							
Purple Loosestrife			●	●						
Shoreline Grasses/Brush										
Smartweeds	●	●	●							
Spatterdock/Nuphur	●	●	●	●						
Water Lily	●	●	●	●						
Watershield		●	●	●						
Willow			●							
<b>Algae</b>										
Filamentous Algae						●	●	●	●	●
Muskgrass/Chara					●	●	●	●	●	●
Planktonic Algae						●	●	●	●	●

● Excellent long-term control   ● Excellent short-term control   ● Partial control   ● Excellent short-term control at water depth of 2 feet or deeper

## Weed Identification

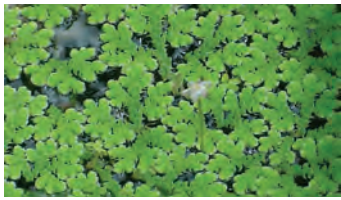
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**Alligatorweed**  
*Alternanthera philoxeroides*



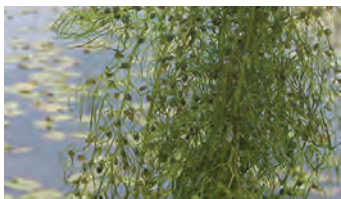
**Duckweed**  
*Lemna minor*



**Azolla**  
*Azola caroliniana*



**Elodea**  
*Elodea canadensis*



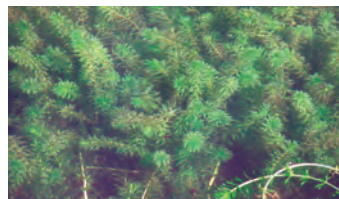
**Bladderwort**  
*Utricularia* spp.



**Eurasian Watermilfoil**  
*Myriophyllum spicatum*



**Cattails**  
*Typha latifolia*



**Hydrilla**  
*Hydrilla verticillata*



**Coontail**  
*Ceratophyllum demersum*



**Phragmites  
(common reed)**  
*Phragmites australis*



**Creeping Water  
Primrose**  
*Ludwigia peploides*



**Naiads**  
*Najas guadalupensis*



**Parrotfeather**  
*Myriophyllum aquaticum*



**Water Lily**  
*Nymphaea odorata*





**Pickerel Weed**  
*Pontaderia cordata*



**Watermeal**  
*Wolffia* spp.



**Sago Pondweed**  
*Stuckenia pectinata*



**Watershield**  
*Brasenia schreberi*



**Pondweed**  
*Potamogeton nodosus*



**Curly Leaf Pondweed**  
*Potamogeton crispus*



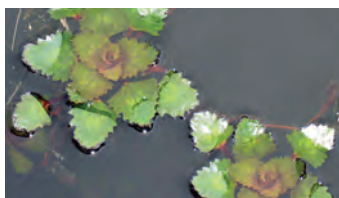
**Tapegrass**  
*Vallisneria americana*



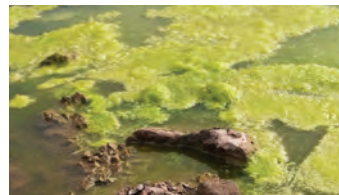
**Algae Identification**



**Filamentous Algae**



**Water Chestnut**  
*Trapa natans L.*



**Planktonic Algae**



**Water Hyacinth**  
*Eichhornia crassipes*



**Muskgrass/Chara**



**Product Icon Legend**



**Sonar**  
Aquatic  
Herbicide



**Renovate 3**  
Aquatic  
Herbicide



**Renovate OTF**  
Aquatic  
Herbicide



**Clearcast**  
Aquatic  
Herbicide



**Harpoon G**  
Aquatic  
Herbicide  
(Granular)



**Captain XTR**  
Algaecide



**SeClear & SeClear G**  
Algaecide and  
Water Quality  
Enhancer



**Nautique**  
Aquatic  
Herbicide



**Phycomycin**  
Algaecide  
(Granular)



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