

Pond Products



Colorant



Aquashade

Blue/green colorant

Apply 20-80 ounces per acre-foot directly from container (depending on desired color).



Blue Dye

Blue colorant

Apply directly from container. 1 gallon treats 1 acre 4-6 ft. deep on average.



Black Dye

Black colorant

Apply directly from container. 1 gallon treats 1 acre 4-6 ft. deep on average.

Re-apply colorant every 60-90 days.

When used correctly, colorant can help control algae by filtering sunlight.

Copper Products



Citrine Liquid

Liquid treatment for planktonic, filamentous and chara algae. See chart for application amount.



Algae

Liquid treatment for planktonic, filamentous and chara algae. See chart for application amount.



Citrine Granular

Granular treatment for small areas (docks, rafts, etc.) before algae has reached the surface. Apply 1.5 pounds/1000 ft²

Only treat half of pond at a time to protect fish. Wait at least 14 days to re-treat.

Muck Treatment



Bio

Sludge and muck remover

Apply directly into water at several points around the pond. 1 gallon treats 1 acre 4-6 ft. deep on average.

Re-apply monthly to treat (for 6 months), and every 60-90 days to maintain.



Surf

For aid in coverage and penetration of algaecides
Mix ½ TBSP per gallon of solution or water after the solution has been mixed.

Aquatic Herbicides



Shoreline Weeds

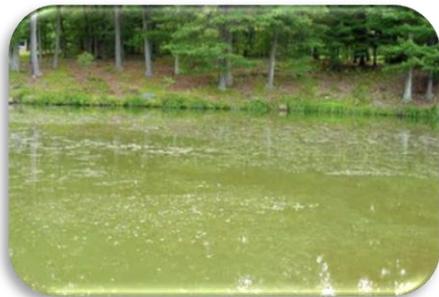
Herbicide (glyphosate) for emerged cattails
Mix 2 ounces of Shoreline in 1 gallon of water, then add 1.5 TBSP of surfactant.



Harvester

Herbicide (diquat) for emerged cattails
Apply prior to flowering at the rate of 2.6 ounces (5 TBSP) per gallon of water. Add 1.5 TBSP of surfactant.

Herbicides must make contact with cattails when they are actively growing to be effective.



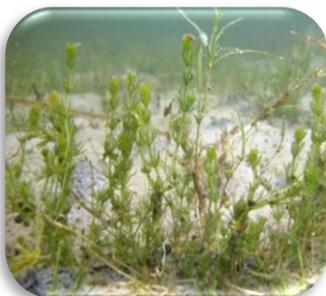
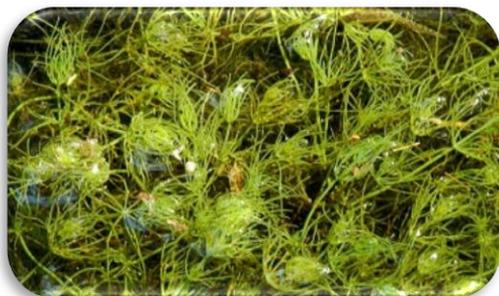
Planktonic Algae

Microscopic growth often visible as a greenish tinge suspended in the upper few feet of water. Water appears pea soup green or brownish.



Filamentous Algae

Forms greenish mats on the water's surface. It usually begins its growth along the edges or bottom of the pond and mushrooms to the surface buoyed by the oxygen it has produced. It has a thread-like appearance.



Chara Algae

Attached-erect algae has a leaf like structure that is whorled around a hollow stem. It has a musky odor when crushed and gritty, bristly feel.

Application Rate for Liquid Copper

1. Determine the type of algae.
2. Find your pond's surface area. The link below can help calculate:

<https://www.daftlogic.com/projects-google-maps-area-calculator-tool.htm>

3. Calculate the number of acre-feet:

$\text{Surface area (ft}^2\text{)} \times \text{depth (ft)}$
43,560

OR

$\text{Acreage} \times \text{depth (ft)} = \text{acre-ft}$

4. Use the chart below to determine the amount of Cutrine Plus or Crystal Plex to use.

5. Dilute with water 10:1

6. Add a surfactant.

7. Spray no more than 1/2 of the surface at one time.

Example:

1/4 acre pond, average of 4 ft. deep with medium density filamentous algae:

1. $.25 \text{ acre} \times 4 \text{ ft.} = 1 \text{ acre-ft.}$
2. $1.8 \text{ gallon/acre-foot} \div 2$ (only treat 1/2 pond) = .9 gal.
3. Dilute .9 gallon liquid copper with 9 gallons of water.
4. Spray 1/2 of the surface of the water with mixture.
5. Re-treat 14 days later if algae is still prevalent.

Algae Type	Low Density	Medium Density	High Density
Planktonic	.6 gallon/acre-foot	1.2 gallon/acre-foot	1.8 gallon/acre-foot
Filamentous	.6 gallon/acre-foot	1.8 gallon/acre-foot	2.4 gallon/acre-foot
Chara	1.2 gallon/acre-foot	2.1 gallon/acre-foot	3 gallon/acre-foot

Dilute liquid Cutrine or Crystal Plex with water 10:1 for pump/backpack sprayers.