

# Blue-Green Algae (Cyanobacteria)

## Planktonic/Surface Scums

### Reminder on example density thresholds



**Light density**

- Very thin surface film
- Little or no scum accumulated along shoreline
- No dense green color in water



**Moderate density**

- Isolated areas of shoreline scum
- Open water clear of scum
- No dense green color in water

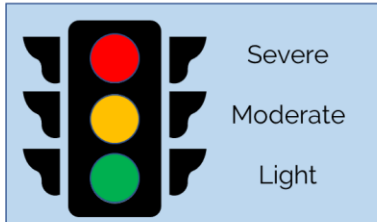


**Severe density**

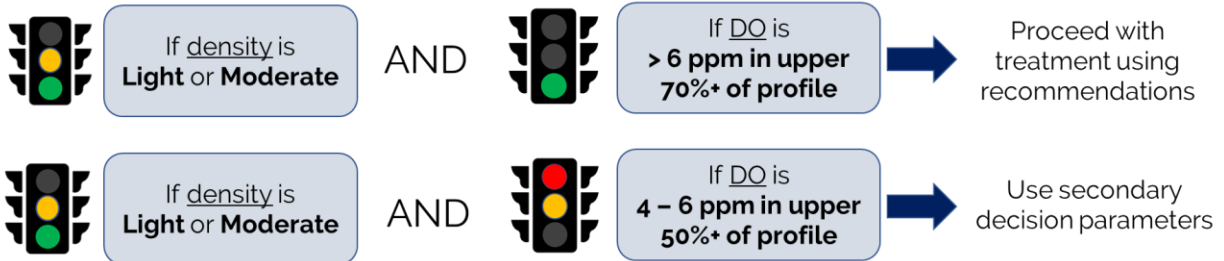
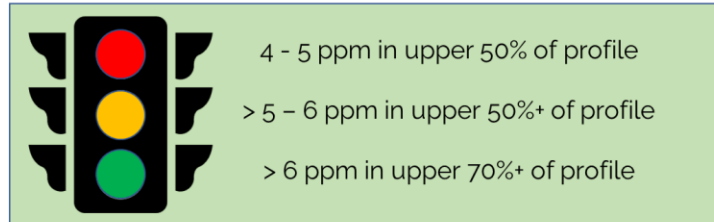
- Most or all of surface area covered in surface scum
- Open water dense green color
- Looks like patches of green paint

### Primary Decision Parameters

#### Bloom Density



#### Dissolved Oxygen (DO)



Secondary Decision Parameters

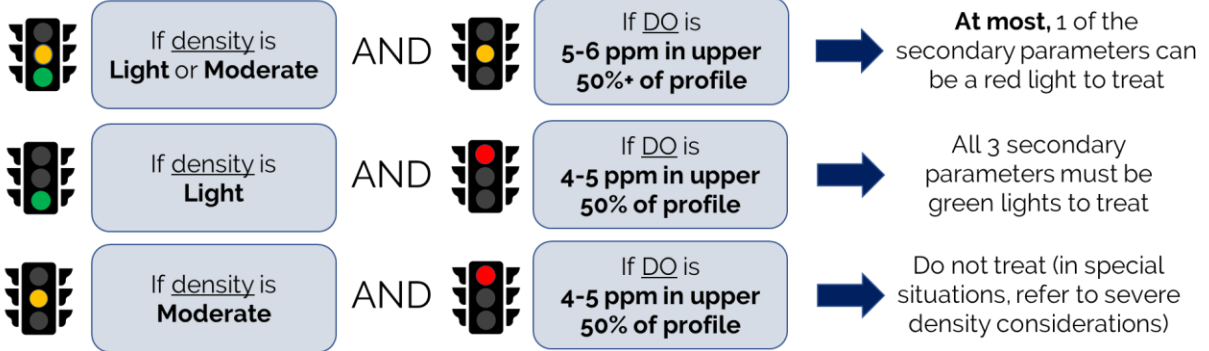
Light



Weather Forecast



Time of Year



**Treatments for Planktonic Blue-Green Algae (if decision matrix supports treatment).**

CHEMICAL	RATE	COMMENTS
Citrine Plus or Captain	<p><b>Light Density:</b> 0.6-1.2 gallons/acre-ft (0.2-0.4 ppm copper)</p> <p><b>Moderate Density:</b> 1.2-1.8 gallons/acre-ft (0.4-0.6 ppm copper)</p> <p><b>Severe Density:</b> Do not treat with copper.</p>	<p>Do not exceed 1.0 ppm copper in treatment area.</p> <p>Do not treat more than 1/2 of lake/pond per treatment.</p> <p>If surface scum present, apply primarily where scum is accumulated.</p>
Citrine Ultra or Captain XTR	<p><b>Light Density:</b> 0.6-1.2 gallons/acre-ft (0.2-0.4 ppm copper)</p> <p><b>Moderate Density:</b> 1.2-1.8 gallons/acre-ft (0.4-0.6 ppm copper)</p> <p><b>Severe Density:</b> Do not treat with copper.</p>	
SeClear Liquid	<p><b>Light Density:</b> 1.3-2.6 gallons/acre-ft (0.2-0.4 ppm copper)</p> <p><b>Moderate Density:</b> 2.6-4 gallons/acre-ft (0.4-0.6 ppm copper)</p> <p><b>Severe Density:</b> Do not treat with copper.</p>	
GreenClean Liquid 5.0	<p><b>Light Density:</b> 3-4 gallons/acre-ft (2.3-3.1 ppm peroxide)</p> <p><b>Moderate Density:</b> 10-12 gallons/acre-ft (7.8-9.4 ppm peroxide)</p> <p><b>Severe Density:</b> 20-25 gallons/acre-ft (15.5-19.5 ppm peroxide)</p>	<p>No restrictions on portion of lake/pond that can be treated at a time.</p> <p>Lesser impacts on oxygen depletion with this product, which is why you can use it for severe blooms on a case by case basis.</p> <p><b>Only treat severe blooms if the customer understands the risks and prefers the bloom to be treated anyway.</b></p>