

# Solutions for Green Water

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## Step 1: Get your pond balanced

- Algae blooms occur naturally in any water system due to an excess of nutrients in the water. These nutrients are being released from any decomposing organic matter (plants, fish waste, etc.) that may be in the water.
- Beneficial bacteria helps to control the amount of nutrients in the water by quickly breaking down organics.
  - To help beneficial bacteria colonize:
    - With biofall unit:
      - Add Lava Rock, Bioballs, or Filterfloss and only clean 1x/year; generally in the spring with the rest of your pond maintenance.
    - Without biofall unit:
      - Place pump in a closed bucket and cover with 5-8" of lava rock; clean 1x/year unless flow is impeded.
  - To add beneficial bacteria try these products:
    - **Microbelift PL:** A great way to kick start the system, it is a liquid formula containing live bacteria; can only be used when water temperatures are consistently above 55°F.
      - **Microbelift Spring/Summer:** Inactive beneficial bacteria in powder form allowing it to be used when temperatures are still below 55°F.
      - **Microbelift Fall/Winter:** Inactive bacteria that can survive in water temperatures lower than 45°F.
    - **UltraClear Clarifier:** Liquid bacteria that works great for general maintenance throughout the summer, but can also be used to

kick-start the system; cannot be used in water temperatures lower than 55°F.

- **Pond Balance:** powder bacteria that is great for general maintenance. It will take longer to activate but may be used in temperatures lower than 55°F.
- **UltraClear Digester:** Great for those who have not done a drain and clean in over 1 year. Unique bacteria helps to reduce the amount of sludge at the bottom of your pond.
- Adding plants help to consume extra nutrients in the water as well as providing some shade.
  - **Hyacinth & Water Lettuce:** Free floating roots consume all nutrients directly from the water and provide shade making them ideal algae control plants. Will die off the winter time.
  - **Water Lily:** Helps provide great shade in your pond
  - **Marginal Plants:** Great to help filter water.
- **Barley Straw:** Great for general maintenance, once it decomposes it essentially releases peroxide ( $H_2O_2$ ) which helps fight algae. Must be placed in knit, launderette, bag near or under flowing water. Also available in pellet and liquid form.
- **STOP FEEDING FISH!** Fish should only be fed for your enjoyment, there is enough algae and bugs in the water for your fish to feed on.

## Step 2: Algaecides (If not cleared up after properly balancing)

- Pea-Soup Green
  - **AlgaeFix:** Liquid formula which is completely safe for all aquatic life as well as domestic animals. Should not be used in extremely hot temperatures, will lower oxygen content in pond stressing out the fish.
  - **GreenClean FX:** Liquid formula which is safe for all aquatic life as well as domestic animals. Can be used in any temperatures as oxygen is a byproduct.
- String Algae
  - **GreenClean:** Great for spot treatment on waterfall or areas where fish cannot get to. Turn off pump, treat needed areas and allow to sit for 20-30 minutes before turning pump back on.
  - **GreenClean FX:** Also works great for string algae in the pond.

## Misc. Water Quality Issues:

- Loose Sediment/Well Water
  - **Accuclear:** Contains a coagulant which will clump small particles together so they become heavy enough to sink to bottom and filtered out.
- **De-Chlor:** Instantly removes all chlorine found in city water. Chlorine is highly toxic to fish.
- **DeFoamer:** Quickly eliminate unsightly foam that may build up near a fountain or waterfall.