



Natural, Chemical-Free Bioremediation for Harmful Algal Blooms

LIVE PHYTOPLANKTON CONCENTRATE · \$20/GALLON · OVERNIGHT DELIVERY



Traditional chemical algaecides treat symptoms — they do not address the cause. By killing algae cells without removing the nutrients that fed them, chemicals trigger a **“rebound effect,”** leading to recurring blooms and long-term ecological damage. Hydralife eliminates the root problem: the excess nutrients that fuel toxic algae.

THE SOLUTION: NATURE’S OWN FILTER

Hydralife provides concentrated, live beneficial phytoplankton that addresses the root cause of toxic algae by outcompeting it for resources. Our phytoplankton rapidly consumes phosphate, ammonia, and nitrate — the exact nutrients that fuel cyanobacteria — while actively promoting a productive, healthy lake ecosystem.

Unlike algaecides that leave nutrient loads intact and guarantee recurrence, Hydralife’s biological approach creates a self-reinforcing remediation cycle that improves water quality.

PRECISION NUTRIENT UPTAKE — PERFORMANCE DATA

Nutrient	Removal Efficiency	Why It Matters
Phosphate (PO4)	70-90%	Primary HAB fuel eliminated at source
Ammonia (NH4)	80-95%	Toxicity and odor risk reduced
Nitrate (NO3)	50-80%+	Long-term eutrophication controlled
Phytoplankton Growth Rate	21-54%/day	Rapid, self-sustaining colonization

OPERATIONAL ADVANTAGES

SELF-REPLICATING

Grows 21–54% daily throughout the warm season — one treatment multiplies

ECOSYSTEM POSITIVE

Increases dissolved oxygen; feeds zooplankton and minnows

SIMPLE APPLICATION

Pour directly into current — no specialized permits required

COST-EFFECTIVE

\$20/gallon reduces the need for repeated, expensive chemical cycles

HYDRALIFE VS. CHEMICAL ALGAECIDES

	Hydralife	Chemical Algaecides
Removes nutrient source (root cause)	✓	✗
Prevents rebound / recurrence	✓	✗
Safe for wildlife, fish & swimmers	✓	✗
No regulatory permit required	✓	✗
Improves overall ecosystem health	✓	✗
Reduces long-term HAB liability risk	✓	Limited

AGRICULTURAL & GOLF BIOSTIMULANT USE CASE

For farmers and golf course superintendents, Hydralife turns irrigation ponds into nutrient-recovery systems. Phytoplankton captures fertilizer runoff and returns it to the soil as an organic biostimulant — improving soil health, structure, and long-term crop or turf productivity.



5-GALLON CONCENTRATE BUCKET

\$20/gal

5-gallon buckets · Overnight delivery
Fresh live culture shipped nationwide

7-14 Days

Typical time to measurable results
after initial application

WHO WE SERVE

- Lake Managers & Parks & Rec Departments
- Limnologists & Water Quality Consultants
- Golf Course Superintendents
- Farmers & Ranchers
- HOAs with Water Features
- EPA & Public Health Agencies
- Environmental Consultants

GETTING STARTED

- 1 **Water Assessment** — Share water body size and nutrient data
- 2 **Treatment Plan** — We recommend an initial application protocol
- 3 **Apply & Monitor** — Overnight delivery; results in 7-14 days
- 4 **Ongoing Program** — Seasonal reapplication for sustained quality