



# 2019 | Product Catalog

***Applied  
Biochemists***<sup>®</sup>

[www.appliedbiochemists.com](http://www.appliedbiochemists.com)



A leading supplier of water treatment solutions with powerful formulations. We are dedicated professionals, in the industry over 50 years.

Access to safe, usable water is a critical need around the world. With a long heritage of developing innovative water care solutions, the Applied Biochemists brand is a leader in lake and pond water management.

The Applied Biochemists® team is dedicated to providing innovative solutions to our customers - from rural landowners with ponds to complex drinking water systems. We build customer relationships by offering technical customer support, R&D, formulation expertise, regulatory excellence, powerful brand marketing and product reliability and quality.

The infographic features a light blue background with stylized clouds and a landscape at the bottom. The landscape includes a body of water, green hills, and a row of evergreen trees. In the center, a building with vertical stripes and a dark entrance is labeled "Applied Biochemists". To the left of the building, a small black bird sits on a red bench. The infographic is composed of several circular callouts:

- drinking water**: Represented by a water tap icon.
- 1965**: "We have been pioneering for 50 years".
- Research**: "Partnering with leading universities and governmental bodies".
- agricultural waters**: Represented by a leaf icon.
- recreational waters**: Represented by a sailboat icon.
- Rewards**: "for applicators with our PLMA program".
- lab / technology**: Represented by a microscope icon.
- industrial waters**: Represented by a factory tower icon.
- >65,000 sq.ft.**: "of dedicated research space".

## Algaecides

Algae are small organisms which spread rapidly through flowing water, wind, or on living organisms, causing cloudy water, a scum on the water surface, and/or thick mats that may be both underwater and floating on the water's surface. Applied Biochemists® algaecides vary in type of algae controlled, active ingredient, use sites, formulation, application rate, water use restrictions, dilution requirements, permit requirements and product registration and availability. Rest assured, we have a solution for you.

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### Citrine® Plus Algaecide/Herbicide

A chelated copper liquid algaecide that effectively controls a broad range of algae, specifically surface filamentous and planktonic algae. It also controls the rooted plant, Hydrilla. The product works within 1-2 days of being added to the water source. Treated water can be used for animals/livestock, swimming and fishing.

**Active Ingredient:** Copper



SKU Number	Size	Units per Case	Pallet Count
390104A	1 gallon	4	42
390225A	2.5 gallon	2	36
390105A	5 gallon	1	32
390130A	30 gallon	1	4
390155A	55 gallon	1	3
390175A	275 gallon	1	—

### Citrine® Plus Granular Algaecide

Ideal for bottom-growing filamentous, Chara and Nitella, with a visible reduction in algae growth 1 – 2 days after application. Once treated, water is safe for consumption for animals and livestock and may be used for swimming purposes.

**Active Ingredient:** Copper



SKU Number	Size	Units per Case	Pallet Count
390242A	12 pound	4	21
390230A	30 pound	1	60

## Cutrine® Ultra Algaecide/Herbicide/Cyanobactericide

A premium algaecide with the added benefit of an emulsified surfactant/penetrant combination. A highly effective control for coarse (thick cell-walled) filamentous algae, mucilaginous (colonial) planktonic algae, and Chara and copper-sensitive vascular aquatic plants.

**Active Ingredient:** Copper with an emulsified surfactant/penetrant combination



SKU Number	Size	Units per Case	Pallet Count
392025A	2.5 gallon	2	36
392030A	30 gallon	1	4
392055A	55 gallon	1	3
392075A	275 gallon	1	—

## Algimycin® PWF Algaecide/Cyanobactericide

A chelated copper formulation certified to ANSI/NSF Standard 60 for use in drinking water. It is proven to control algae (which can have an adverse effect on the taste and odor of water) and cyanobacteria and it improves water clarity and helps to reduce post-treatment potable water costs

**Active Ingredient:** Copper



SKU Number	Size	Units per Case	Pallet Count
395425A	2.5 gallon	2	36
395430A	30 gallon	1	4
395475A	275 gallon	1	—

## Clearigate® Algaecide and Herbicide

A product that is ideal for irrigation canals. It is highly effective in controlling thick-walled filamentous algae, colonial planktonic algae, as well as Chara and copper-sensitive emergent, floating and submerged aquatic plants such as sago and other pondweed species. It is a premium solution with the added benefit of an emulsified surfactant/penetrant for breaking down thick cell walls of nuisance algae and aquatic weeds.

**Active Ingredient:** Copper with an emulsified surfactant/penetrant combination



SKU Number	Size	Units per Case	Pallet Count
390405A	5 gallon	1	32
390430A	30 gallon	1	4
13008A	275 gallon (stainless steel returnable)	1	—

## Phycomycin® SCP Algaecide and Oxidizer

A non-copper algaecide certified to ANSI/NSF Standard 60 for use in drinking water. It targets blue-green algae and other susceptible species, with visible results upon contact with algal cells. Ideal for use in waters containing fish, particularly copper-sensitive fish like koi and trout, due to its low level of toxicity to fish, aquatic invertebrates and other non-target organisms.

**Active Ingredient:** Sodium carbonate peroxyhydrate



SKU Number	Size	Units per Case	Pallet Count
395550A	50 pound	1	40

## Stocktrine® II Algaecide

This product is effective on algae growth commonly found in stock watering tanks, troughs and ponds.

**Active Ingredient:** Copper



SKU Number	Size	Units per Case	Pallet Count
13283A	1 quart	6	96

## AB™ Brand Copper Sulfate Crystals

A solution that controls planktonic and surface filamentous algae and is also labeled for root control in sewer lines.

**Active Ingredient:** Copper sulfate



SKU Number	Size	Units per Case	Pallet Count
390840A	5 pound	6	25
390835A	15 pound	3	40



## Herbicides

Aquatic plants are unique in that plant species respond differently to different formulations. Our team is committed to discovering innovative solutions including: patented new chemistries, combination treatments, application technologies and technical resources on the subject of plant management. Applied Biochemists® herbicides vary in plant controlled, active ingredient, use sites, formulation, application rate, water use restrictions, dilution requirements, permit requirements and product registration/availability.



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### Harpoon® Aquatic Herbicide

Liquid formulation controls Hydrilla, Naiads, Coontail, Elodea, Water Lettuce, Water Hyacinth, Giant Salvinia and other species that have a sensitivity to copper absorption.

**Active Ingredient:** Copper



SKU Number	Size	Units per Case	Pallet Count
395625A	2.5 gallon	2	36
395630A	30 gallon	1	4
13265A	265 gallon	1	—

### Harpoon® Granular Aquatic Herbicide

Treat from the bottom up! Granules sink down to effectively control bottom-growing copper sensitive aquatic species, such as: Hydrilla, Egeria (Brazilian Elodea), Naiads, Coontail, Elodea, Water Lettuce, Water Hyacinth, and Giant Salvinia.

**Active Ingredient:** Copper



SKU Number	Size	Units per Case	Pallet Count
395640A	40 pound	1	50

## Harvester® Landscape & Aquatic Herbicide

A concentrated formulation which controls submersed, floating and emergent aquatic weeds including duckweed as well as broadleaf and grassy weeds.

- Use with AB Brand Adjuvant and Non-ionic Surfactant on weeds on or above the water surface
- Tank mix with Cutrine® Plus Algaecide for tough-to-kill weeds

**Active Ingredient:** Diquat dibromide



SKU Number	Size	Units per Case	Pallet Count
13281A	1 quart	6	96
395504A	1 gallon	4	42
395525A	2.5 gallon	2	36

## Weedtrine® D Aquatic Herbicide

Controls submersed, floating and emergent weeds including duckweed. A surfactant is necessary when using this product with any weed on or above the water surface.

**Active Ingredient:** Diquat dibromide



SKU Number	Size	Units per Case	Pallet Count
390304A	1 gallon	4	42

## Pond-Klear™ Aquatic Herbicide

A fast acting herbicide ideal for controlling duckweed and watermeal. Provides noticeable results in days.

**Active Ingredient:** Flumioxazin



SKU Number	Size	Units per Case	Pallet Count
13258A	16 oz.	6	69

## Navigate® A Selective Herbicide

Selectively targets certain nuisance aquatic plants, allowing desirable, native aquatic species to remain for fish habitat, bottom cover and oxygen production. This systemic herbicide provides optimum control of target plants when used at first signs of growth, before plants reach the surface.

**Active Ingredient:** 2,4-D



SKU Number	Size	Units per Case	Pallet Count
392550A	50 pound	1	40

## Navitrol® Landscape & Aquatic Herbicide

Targets common invasives such as Eurasian Watermilfoil and Purple Loosestrife, without negative impacts on most native species. Controls unwanted woody plants; aquatic plants; and annual perennial broadleaf dicots.

**Active Ingredient:** Triclopyr



SKU Number	Size	Units per Case	Pallet Count
398225A	2.5 gallon	2	36

## Navitrol® DPF Aquatic Herbicide

Targets common invasives such as Eurasian Watermilfoil and Purple Loosestrife, without negative impacts on most native species. Controls unwanted woody plants; aquatic plants; and annual perennial broadleaf dicots.

**Active Ingredient:** Triclopyr



SKU Number	Size	Units per Case	Pallet Count
398250A	50 pound	1	40

## Shore-Klear® Aquatic Herbicide

A non-selective herbicide which effectively controls many herbaceous and woody plants. An aquatic use non-ionic surfactant is necessary when using this product. (This product will not control plants that are completely submerged or have a majority of foliage under water.)

**Active Ingredient:** Glyphosate



SKU Number	Size	Units per Case	Pallet Count
13282A	1 quart	6	96

## Shoreklear-Plus® Aquatic Herbicide

A non-selective herbicide which effectively controls many herbaceous and woody plants. A non-ionic surfactant is mixed in with this product. (This product will not control plants that are completely submerged or have a majority of foliage under water.)

**Active Ingredient:** Glyphosate



SKU Number	Size	Units per Case	Pallet Count
395434A	1 gallon	4	42



# RESEARCH AND TECHNOLOGY

Collaborate with our team on your next project, and let our experience contribute to your success.

# Alpharetta Innovation & Technology Center (AITC)



## WE ARE DEDICATED

to supporting current products and technologies and discovering scientific advancements.

## OVER 65,000 SQ FT of space dedicated to:

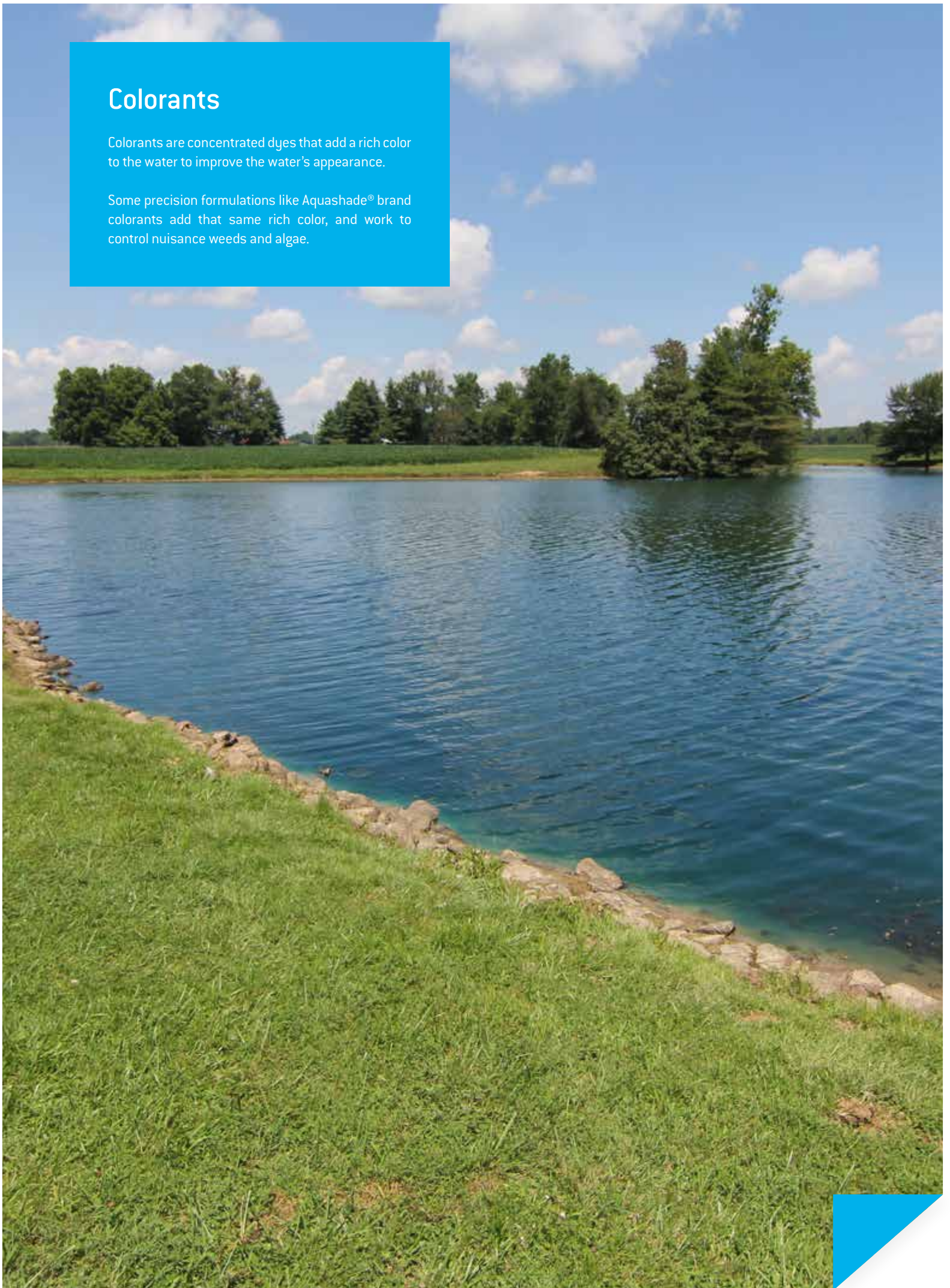
- » Innovation and process technology
- » Application research
- » GLP analytical labs
- » Cutting edge Microbiology Infrastructure



## Colorants

Colorants are concentrated dyes that add a rich color to the water to improve the water's appearance.

Some precision formulations like Aquashade® brand colorants add that same rich color, and work to control nuisance weeds and algae.



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### Aquashade® Aquatic Plant Growth Control

More than a colorant. While some claim their colorants control plant growth, Aquashade® Aquatic Plant Growth Control is EPA registered to control and prevent underwater growth. The precise blend of dyes shade specific portions of the sunlight spectrum, inhibiting photosynthesis in underwater growth.

**Active Ingredient:** Blue and Yellow Dyes



SKU Number	Size	Units per Case	Pallet Count
390704A	1 gallon	4	42
390725A	2.5 gallon	2	36
390730A	30 gallon	1	4
13276A	275 gallon (returnable)	1	—
390759A	275 gallon	1	—

### Aquashade® Plus Dye

You already love our EPA registered Aquashade® Aquatic Plant Growth Control colorant, get ready to try our 2.4 times more concentrated formula. Use only 13 oz. per acre-ft.

**Active Ingredient:** Blue and Yellow Dyes



SKU Number	Size	Units per Case	Pallet Count
13257A	50 ounce	6	48
13272A	2.5 gallon	2	36
13277A	275 gallon	1	—

## Aquashadow® Lake and Pond Colorant (water soluble pouch)

Aesthetically pleasing blue colorant in a water soluble pouch for improving the appearance of murky, cloudy or off-colored water.

**Active Ingredient:** Blue and Yellow Dyes



SKU Number	Size	Units per Case	Pallet Count
390772A	4 – 7.15 oz. bags	4	45

## Aquashadow® Black Pond Colorant

Beautifies murky water with a reflective black tint.

**Active Ingredient:** Blue, Yellow, and Red Dyes



SKU Number	Size	Units per Case	Pallet Count
12509A	1 gallon	4	42

## Blue Springs® Lake and Pond Colorant

Aesthetically pleasing colorant for improving the appearance of murky, cloudy or off-colored water.

**Active Ingredient:** Blue Dye



SKU Number	Size	Units per Case	Pallet Count
390910A	1 gallon	4	42
12507A	275 gallon	1	–

## Blue Springs® Plus Lake and Pond Colorant

Concentrated blue dye for improving the appearance of murky, cloudy or off-colored water.

**Active Ingredient:** Blue Dye



SKU Number	Size	Units per Case	Pallet Count
13278A	1 quart	6	96

## Biologicals and Adjuvants

Bacteria and protein products help digest organic matter in ponds. Non-ionic surfactants are necessary additives to some chemicals to help the product stick and break down the waxy surface of the leaf.

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### AMP↑™ Activator

Newly patented for use in aquatic plant management, this concentrated blend of proteins and surfactants is formulated to enhance the efficacy of aquatic pesticides.

**Active Ingredient:** Blend of proteins and surfactants



SKU Number	Size	Units per Case	Pallet Count
395205A	5 gallon	1	24

### Aqua-Prep® Protein Solution

Energize resident bacteria with a blend of fermented proteins with surfactants to accelerate nutrient consumption and break down organic matter.

**Active Ingredient:** Proteins with surfactants



SKU Number	Size	Units per Case	Pallet Count
395214A	1 gallon	4	42
395025A	2.5 gallon	2	32

## AB™ Brand Aquatic Adjuvant and Non-ionic Surfactant

An additive for use with algaecides and herbicides. Mixing in a non-ionic surfactant helps the product stick to the plant and penetrate the waxy cuticle for maximum absorption of the product.

**Active Ingredient:** D-Limonene with isomers and emulsifiers



SKU Number	Size	Units per Case	Pallet Count
13280A	1 quart	6	96

## Nutri-Sorb® Aquatic Microbial Blend

A convenient ready-to-use dry bacterial formulation, in water-soluble pouches, that can be used to accelerate organic waste degradation. It utilizes enzymes to reduce the components of pond muck or sediment.

**Active Ingredient:** Adapted spores and vegetative microorganisms



SKU Number	Size	Units per Case	Pallet Count
395350A	50 x 0.5 pound packets	1	24

## Bacti-Klear® Aquatic Microbial Blend

Decrease levels of organic matter in order to improve clarity and reduce odors in lakes and ponds.

**Active Ingredient:** Bacteria and enzymes



SKU Number	Size	Units per Case	Pallet Count
395304A	1 gallon	4	42
395348P	10 pound	4	21
13284P	50 pound	1	18

# Global Footprint January 2018

- Countries where we are located
- Sites with more than 15 employees
- 📍 Global Regions

## US Regional Sales Managers

For product questions and technical assistance, contact your regional sales manager.

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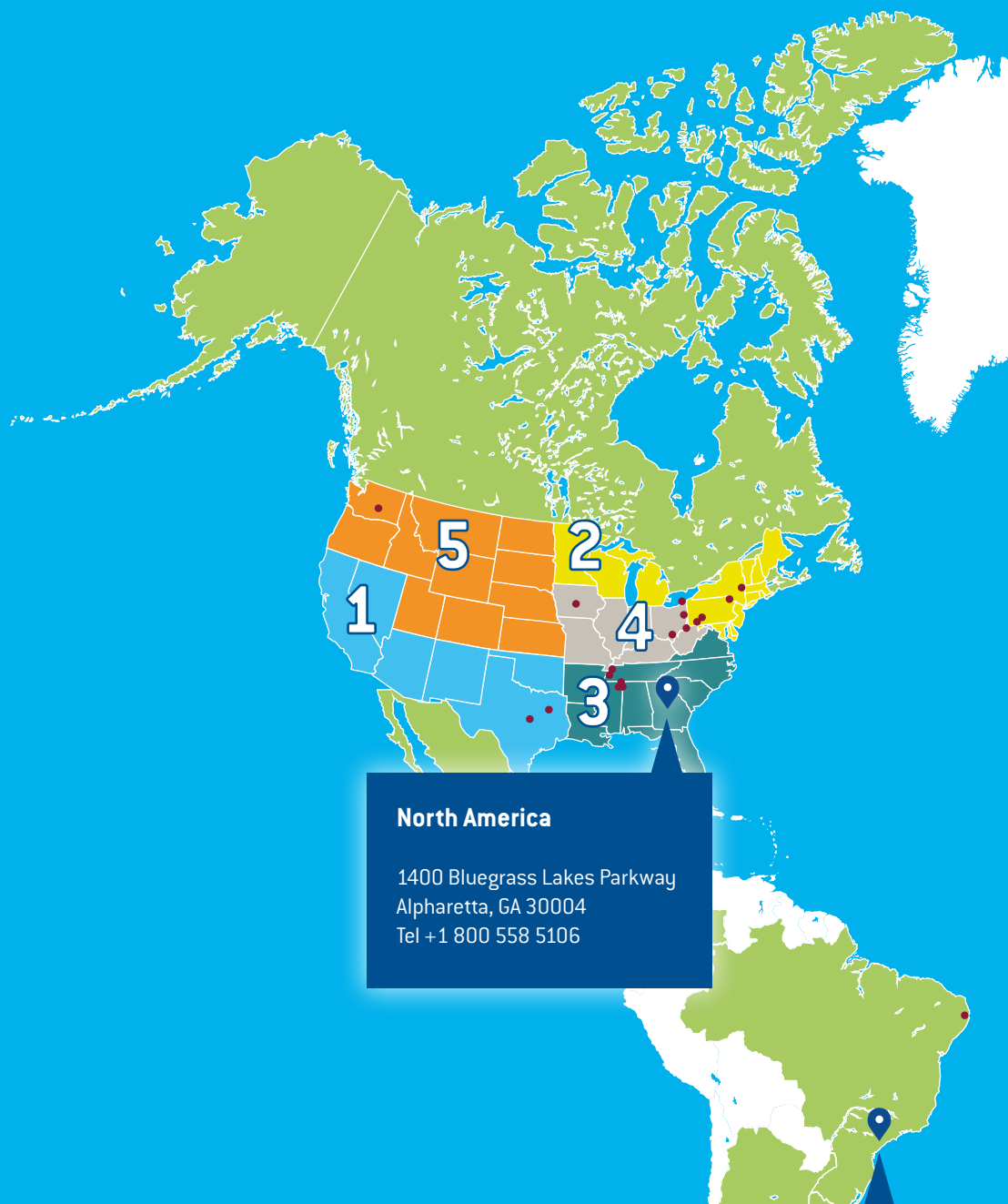
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A world map with a light blue background. The landmasses are outlined in white. Three callout boxes are present: one for Europe in the top left, one for Africa in the bottom left, and one for Australia in the bottom right. Each callout box contains contact information and has a blue location pin pointing to a specific location on the map. There are also several small red dots scattered across the map, primarily in Europe, Africa, and Australia.

### Europe

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