



tideline newsletter tideline aquatics

Tideline Aquatics Store Hours

Monday – Friday 11am-7pm
 Saturday 10am-6pm
 Sunday 1pm-5pm

EFFICIENT ALGAE EATERS.....

It does not matter whether you have a fish aquarium, a reef aquarium, a planted aquarium or a garden pond, at some point you will have to deal with algae growth. From the time you add your first live animal and it produces waste into the water, a food source for algae growth is now present. Couple these organics with aquarium lighting or the bright sun of the afternoon and the perfect scenario comes together for algae to begin growing. Performing partial water changes, replacing spent activated carbon, using organic removal systems (like a protein skimmer) and controlling how much and what kinds of food you use can keep algae growth to a minimum but a little help from an algae eating creature can nearly wipe out algae growth all together....

In the Freshwater Fish Aquarium:



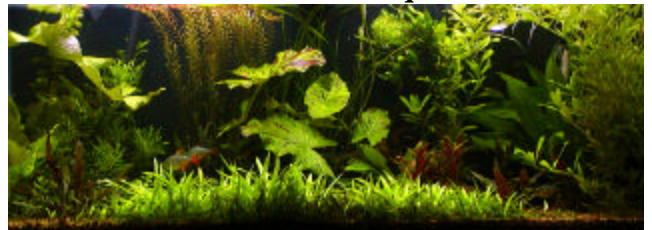
By adding a standard plecostomus (*Hypostomus plecostomus*) to a freshwater aquarium, you will

find that nearly any algae in the aquarium will be gone within days of the plecostomus' addition. During the daylight hours, these fish tend to remain "stuck" under a decoration or in a dark corner of the aquarium appearing quite lazy. But once the aquarium lights are out, these fish wake up from their daylight nap and scavenge on glass, gravel and decorations scraping off algae growth. The common *Hypostomus plecostomus* grows large over time (12" +). If you ever have a plecostomus that over-grows your aquarium, you are welcome to bring it back into the store and purchase a small one once again.



There are other fancier plecostomus available that will eat algae but nothing beats the common *Hypostomus plecostomus* for its huge appetite and durability. Just remember that common plecostomus will eat live plants if algae growth becomes limited in the aquarium!

In the Planted Freshwater Aquarium:



The combination of intense lighting, fish foods and fish waste can lead to all sorts of algae forms growing in the planted aquarium. There are a number of organisms we suggest for controlling algae in a planted aquarium that will not harm the plant life. If algae is allowed to over-grow, it will smother out your beautiful ornamental live plants. By simply keeping organic levels low (partial water changes, activated carbon, etc) combined with an efficient algae crew, the live plants will thrive thus starving the algae of its food source. Here are some excellent “plant safe” algae control organisms:



**TRUE FLYING FOX (CROSSOCHEILUS SIAMENSIS)
EAT BLACK HAIR ALGAE FROM ALL AREAS OF THE
PLANTED AQUARIUM**



OTOCINCLUS AFFINIS CLEAN LEAVES AND STEMS



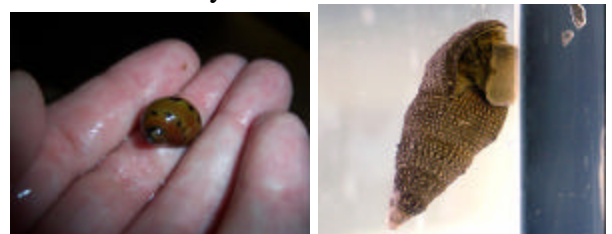
**CARIDINA JAPONICA SHRIMP EAT ALL TYPES
OF HAIR ALGAE FROM PLANTS AND
DECORATIONS**



**CHAETOSTOMA RUBBER PLECOSTOMUS CLEAN
ALGAE FROM GLASS, PLANTS AND DECORATIONS**

In the Reef Aquarium:

As with a planted aquarium, reef aquariums require intense lighting for the live corals to photosynthesize. Organic levels **MUST** be kept low with weekly to monthly maintenance procedures in conjunction with light feeding of the fish and corals (about 3-4 times per week maximum) and appropriate chemical filtration (activated carbon, phosphate removers, protein skimming). Even with all of this, algae will still grow in any reef aquarium. The addition of specific algae control organisms will keep algae from becoming a nuisance. Instead of purchase one species of snail in large numbers, we suggest mixing up your algae crew with small number of several species. One snail species may prefer diatom algae while another may only eat hair algae. There are practically **NO** animals that will eat slime algae (cyanobacterial algae). This algae will only be present from elevated organic levels. By correcting this problem with large partial water changes using reverse osmosis saltwater, increasing circulation, reducing feeding and replacing chemical media, slime algae will subside naturally.



**NERITE SNAILS (LEFT) AND CERITH SNAILS
(RIGHT) EAT DIATOM ALGAE FROM LIVE ROCK
AND CLEAN THE GLASS OF BROWN AND GREEN
ALGAE**



TURBO SNAILS PREFER SHORT HAIR ALGAE BUT WILL ALSO CLEAN DIATOM ALGAE. THESE SNAILS REQUIRE LARGE AMOUNTS OF ALGAE TO PREVENT STARVATION.



A MIXTURE OF SMALL REEF HERMITS ARE EXCELLENT SCAVENGERS AND HAIR ALGAE EATERS. THEY OFTEN PULL ALGAE BETWEEN POLYPS WITHOUT ANY HARM TO THE ANIMALS



THE ATLANTIC TURBIN SNAIL CLEANS GLASS AND LIVE ROCK OF SHORT GROWING ALGAE AND DIATOM ALGAE



SEA HARES EAT MACRO-ALGAE AND FILAMENTOUS ALGAE – THESE ANIMALS WILL STARVE IF ENOUGH OF THESE ALGAE ARE NOT PRESENT. THESE ARE EATING MACHINES BUT OFTEN STARVE THEMSELVES OUT OF A FOOD SOURCE.



TROCHUS SNAILS EAT HAIR AND DIATOM ALGAE FROM THE GLASS AND LIVE ROCK

In the Saltwater “Fish-Only” Aquarium...

Algae will grow naturally in the saltwater fish-only aquarium. These aquariums often contain a mixture of marine fish – many species that will eat most algae control organisms. Triggerfish, pufferfish, larger wrasses, many eels, lionfish and groupers find animals like snails and reef hermits a fine dining experience. For this reason, the best algae cleaner for these type of aquariums is Homo sapiens.



These are hardy creatures that work hard and are in plentiful supply in every household. Using their strong hands, they can wipe algae from glass, remove decorations for cleaning and redecorate the aquarium all within a number of hours. Hand held scrub pads, magnetic algae cleaners and razor scrapers are all handled well by these creatures. If enough of them are present in the household, the aquarium cleaning job can be shared by several individuals leaving time for the previous cleaner to relax and supervise. The only drawback to these organisms is their ability to gripe and moan about having to work.

In the Garden Pond...

Algae grows mainly in the spring and summer months in ponds. You can reduce the algae growth from a massive bloom in the spring by removing dead plant material, fallen leaves and muck from the bottom of the pond. A strong flushing of clean treated water flushed through the biological filter will also remove organic material that feeds algae. Regular 25% partial water changes on the garden pond will also keep organic levels lower. BUT, even with all of these methods utilized, algae will still grow in your pond from the bright sunlight that heats up the water each day. Once water temperatures reach the mid 70's, it is safe to add some of the tropical algae control organisms to your pond. They will consume the hair algae that grows on the walls of the pond and on the plants and pots under the water. Remember that these animals cannot survive cold winters and must be removed to warmer conditions during these cold months.



COMMON PLECOSTOMUS EAT MASSIVE AMOUNTS OF ALGAE DURING THE NIGHT FROM ALL AREAS OF THE POND



MYSTERY SNAILS (AMPULLARIA SPECIES) CONSUME HAIR ALGAE AND DIATOM ALGAE

All aquariums and ponds will grow algae no matter how strong you follow your monthly maintenance procedures. This is a normal occurrence and just a part of our hobby. Algae does not mean your aquarium or pond is unhealthy but it can get out of hand and destroy the beauty of your investment. With a little help from algae loving aquatic organisms, your work load will be greatly reduced giving you more time to sit and enjoy the relaxing beauty of your aquarium and/or garden pond.

NEW AT TIDELINE AQUATICS!!



MARINELAND CUBE AQUARIUMS AND MONTEREY HIGH-QUALITY CABINETRY!

You will not believe the quality of these innovative new aquariums by Marineland! These new cube aquariums are available in three sizes with both drilled and undrilled models available. The shape and design of these new aquariums are perfect for the hobbyist that enjoys aquascaping.

The nearly square shape makes for the ultimate reef or planted aquarium. When combined with the new Monterey cabinetry, this new series of aquariums will fit into today's modern décor making your aquarium not only a show place for your animals but a quality piece of furniture for your home.

HAGENS FLUVAL OSAKA SEAMLESS AQUARIUM ENSEMBLE



Hagens new Fluval Osaka aquarium utilizes new modern style with reliable classic Fluval canister filtration. This ensemble comes complete with the stylish rounded corner glass aquarium, high output T5 lighting that hangs above the aquarium, Fluval canister filtration, a quality Fluval submersible heater and a roomy cabinet stand.

POND TOUR 2009 TICKETS ARE NOW AVAILABLE FOR PURCHASE AT TIDELINE AQUATICS!!



It is that time again everyone! The Charleston Show Pond Tour tickets are now available for purchase at Tideline Aquatics. This year's tour will be the best ever with over 30 ponds throughout the Charleston area open for your viewing pleasure. Tickets are just \$10.00 per person for this self-guided tour. Tickets sell out quickly each year so come and get yours now! Don't miss out on this wonderful annual event that never disappoints! Tickets are available at our front counter.

Don't forget to show your military ID at the check-out counter! Tideline Aquatics now offers a discount to both active and retired military persons with a military ID!!

Also, print off web coupons for even more savings when you shop with us!!

WHAT'S NEW AT [tideline aquatics?](#)

ON THE MENU THIS WEEK:

Our feeder fish shipment should arrive on Wednesday afternoon of next week. We do have plenty of feeder crayfish and feeder fiddlers at this time.

FRESHWATER FISH:

Livebearers – Mickey Mouse Swordtails, Mickey Mouse Platies, Assorted Swordtails, Sunburst Platies, Cobra Guppy Pairs, Bright Yellow Guppy Pairs, Sailfin Mollies, Assorted

M/L Lyretail Mollies, Dalmation Mollies, Black Yucatan Mollies.

Catfish/Loaches/Plecostomus – Farlowella Twig Catfish, L103 Clown Plecostomus, L007 Dracula Plecostomus, XXL Juruense Shovelnose Catfish, Synodontis Petricola Catfish, Synodontis Brichardi Catfish, Spotted Shovelnose Catfish, L018 Gold Nugget Plecostomus, L200 Green Phantom Plecostomus, Blue Dolphin Catfish, Glass Catfish, True Tigrinus Shovelnose Catfish, Golden Dojo Loaches, Angelicus Botia Loaches (awesome), , Spotted Pictus Catfish, Upside Down Catfish, Queen Botia Loaches, Victory Botia Loaches, Botia Striata Loaches, Chinese Algae Eaters, Hypostomus Plecostomus, True Siamensis Flying Fox Algae Eaters, Common Plecostomus, Albino Corydoras Catfish, Clown Loaches, Green Corydoras Catfish, Paleatus Corydoras Catfish

Brackish – Red Ruby Scatophagus, Archerfish, Mono Sebaes, New Javanese Bumble Bee Gobies, Figure Eight Pufferfish

Tetras / Rasboras / Barbs / Danios – New Veiltail Cherry Barbs, Round Banded Barbs, Scissortail Rasboras, Gold Barbs, New! Zebra Barbs, Redtail Loretto Tetras (very nice), Red Eye Tetras, Beautiful Espei Pencilfish, Lg Male Galaxy Rasboras, White Clouds, Marble Hatchetfish, Harlequin Rasboras, Burjor's Brilliance Danios, Red Cherry Barbs, Clown Rasboras, Clown Barbs, Black Ruby Barbs, Bloodfin Tetras, Black Skirt Tetras, Red Serpae Tetras, Green Tiger Barbs, Pentazona Barbs, Giant Danios, Whitefin Rosey Tetras, Assorted Glo-Fish.

Gouramis / Bettas – Platinum Gouramis, Pink Kissing Gouramis, Gold Gouramis, Blue Gouramis, Female Bettas, Super Color Fancy Dwarf Gouramis, Ass't Male Bettas, Opaline Gouramis, Ctenopoma ansorgii.

Cichlids (Dwarf, South American, African) – Premium Assorted Mbuna African Cichlids, Medium Mixed Peacock Cichlids, German Gold Rams, German Blue Rams, Green Severums, Geophagus Jurupari, Pink Convict Cichlids, Black Convict Cichlids, Jack Dempsey Cichlids, Firemouth Cichlids, Festae (true red terror) Cichlids, Eretmodus "Blue Point" Goby Cichlids, Umbriferum Cichlids, Medium Green Terror Cichlids, Altispinosa Rams, Large and Medium

Gold Severums, Small & Medium Assorted Oscars, Large and Jumbo Peacock Bass.

Angelfish / Discus – Medium Half Black Angelfish, Medium Zebra Lace Veil Angelfish, Large Stendker German Discus, Koi Angelfish, Zebra Veil Angelfish, Assorted Angelfish, Medium Assorted Angelfish, Wild Caught Large Altum Angelfish.

Other – Large and Jumbo Peacock Bass, M/L Clown Knives, Needlefish, Tank Bred Dolphin Moryrids, Large Saber Tusk Barracuda, Boesemani Rainbowfish, Goyder River Rainbowfish, Turquoise Rainbowfish, Praecox Rainbowfish, Medium Silver Arowanas, Dwarf African Frogs, Redtail Barracudas, Celebes Halfbeaks, Iridescent Sharks, Freshwater Flounders, Silver Dollars, Asian Needlefish, Polypterus palmus, Polypterus ornatipinnus, Ctenopoma ansorgii, Electric Blue Crayfish (LG), Roseline Denisonii Sharks (Tank Bred!), Bala Sharks, Redtail Black Sharks, Black Ghost Knives, Lungfish (huge), African Butterflyfish, Distichodus Sexfasciatus.

Goldfish – Small Assorted Fantails, Jumbo Fancy Orandas, Medium Orandas, Medium Ryunkins.

Pond Fish: - 2"-3" Domestic Koi, 5"-6" Domestic Koi, 6"-8" Red Pond Comets, 6"-8" Red and White Pond Comets, 6"-8" Shubunkins, 6"-8" A-Grade Premium Select Koi, 10"-12" Premium Select A-Grade Koi, 3"-4" Butterfly Koi, 6"-8" Butterfly Koi.

THE BEST SELECTION IN TOWN OF HEALTHY LIVE AQUARIUM PLANTS AND WATER GARDEN PLANTS! LOTUS AND NIGHT-BLOOMING LILIES ARE NOW IN STOCK TOO!!

SALTWATER FISH:

Angels / Butterflyfish – Flame Angelfish, Swallowtail Angelfish, Lemon Peel Angelfish, Lamark Angelfish, Half Black Angelfish, Midnight Nox Angelfish, Coral Beauty Angelfish, Koran Angelfish, XL Majestic Angelfish, Juvenile Annularis Angelfish, Kleini Butterflyfish, Heniochus Butterflyfish

Clownfish – Ocellaris Clownfish, XL Sebae Clownfish, True Percula Clownfish, Black Onyx

Percula Clownfish, Tomato Clownfish, Maroon Clownfish, Pink Skunk Clownfish.

Gobies / Blennies / Jawfish – Orange Spotted Blennies, Green Banded Gobies, Assorted Nano Gobies, Purple Firefish Gobies, Dragon Sifter Gobies, Yellow Watchman Gobies, Yellow Clown Gobies, Yashia Haze Gobies, Helfrichi Firefish Gobies, Orange Spot Guttata Gobies, Randalli Gobies, Candy Cane Gobies, Blue Neon Gobies, Pink Barred Gobies, Diamond Sifter Gobies, Algae Blennies, Starry Algae Blennies, Bicolor Blennies, Bullethead Reef Blennies, Red Striper Trimma Gobies, Blue Torpedo Gobies.

Wrasses / Hogfish – Assorted Fairy Wrasses, Green Coris Wrasses, Green Melanurus Wrasses, Broomtail Wrasse, Lunare Wrasses, Candy Hogfish, Harlequin Tuskfish, Brown Bird Wrasses.

Tangs / Rabbitfish – Blonde Naso Tangs, Sohal Tangs, Tominiensis Orange Fin Tangs, Fowleri Tang, Powder Blue Tangs, Naso Tangs, Sailfin Tangs, Blue Regal Tangs, Foxface Rabbitfish, Yellow Tangs.

Triggerfish / Eels / Puffers – Blue Spotted Pufferfish, Coronata Pufferfish, Sufflamen Triggerfish, Rectangulus Triggerfish, Humu Triggerfish, Lg Clown Triggerfish, Niger Triggerfish, Snowflake Moray Eels, Dogface Pufferfish, Valentini Pufferfish.

Lionfish/Scorpionfish – Small and Medium Black Volitan Lionfish, Lg Black Volitan Lionfish, Fuzzy Dwarf Lionfish.

Other – Yellow Goatfish, Bicolor Goatfish, Bangaii Kauderni Cardinalfish, Tassled Filefish, Pink Squareback Anthias, RARE Borbonius Anthias, Blue Damsel fish, Yellowtail Damsel fish, Neon Velvet Damsel fish, Clown Grouper, Falco Hawkfish, Longnose Hawkfish, Bicolor Basslets, Mandarin Dragonettes, Panther Groupers, Fridmani Orchid Dottybacks, Pajama Cardinalfish.

INVERTEBRATES:

Snails / Cucumbers / Starfish / Urchins – Turbo Snails, Nerite Snails, Black Nassarius Snails, Cerith Snails, Green Brittle Starfish, Astrea Reef Snails, Pink Cucumbers, Brown Serpent Starfish.

Crustaceans – Coral Banded Shrimp, Candy Cane Pistol Shrimp, Tiger Pistol Shrimp, Pom Pom Crabs, Scarlet Reef Hermits, Reef Lobsters, Anemone Crabs, Blueleg Reef Hermits, Red Tip Reef Hermits, Fire Shrimp, Common Hermit Crabs (not for reefs), Skunk Cleaner Shrimp.

Corals / Polyps / Mushrooms – Green Bubble Corals, Orange Brick Zoanthids, Rings of Flame Zoanthids, Orange Palythoas, Green Trachyphyllia Corals, Green Torch Coral, Pink Birdnest Corals, Fox Corals, Blasstomussa Coral, Gold Rasta Spaghetti Leather Corals, Toadstool Leather Corals, Metallic Orange Zoanthid Rocks, TRUE DAYGLOW BLUE ZOANTHID ROCK(XL AND RARE), Rings o Fire Zoanthid Rocks, Assorted Indonesian Zoanthid Rocks, Green Star Polyp Rocks, Green Mushroom Rocks, Elephant Ear Mushroom Rocks, Tree Leather Corals, Assorted Cultured SPS Corals (Montiporas, Pocilliporas), Super Red Mushroom Rocks, Red Chili Coral, Candy Caulestrea Corals, Branching Frogspawn Corals, Orange Echinophyllia Corals, Assorted Favia Brain Corals, Cultured Acropora Solitariensis, Australian Scolymia Corals, Australian AWESOME Acanthastrea Corals, Orange Eye Echnophyllia Corals, Cauliflower Leather Corals, Indonesian Mushroom Rocks, Xenia Rocks.

Other – Chaetomorpha Algae for Refugiums, Colorful M/L & Large Bubble Anemones, Long Tentacle Anemones, S/M Blue Clams, Pink Rose Bubble Anemones (large), Atlantic Feather Dusters, Sea Apple, Hawaiian Feather Dusters.

This list is based on our most recent shipments of saltwater livestock. There are many other species available in the store not included in this list.