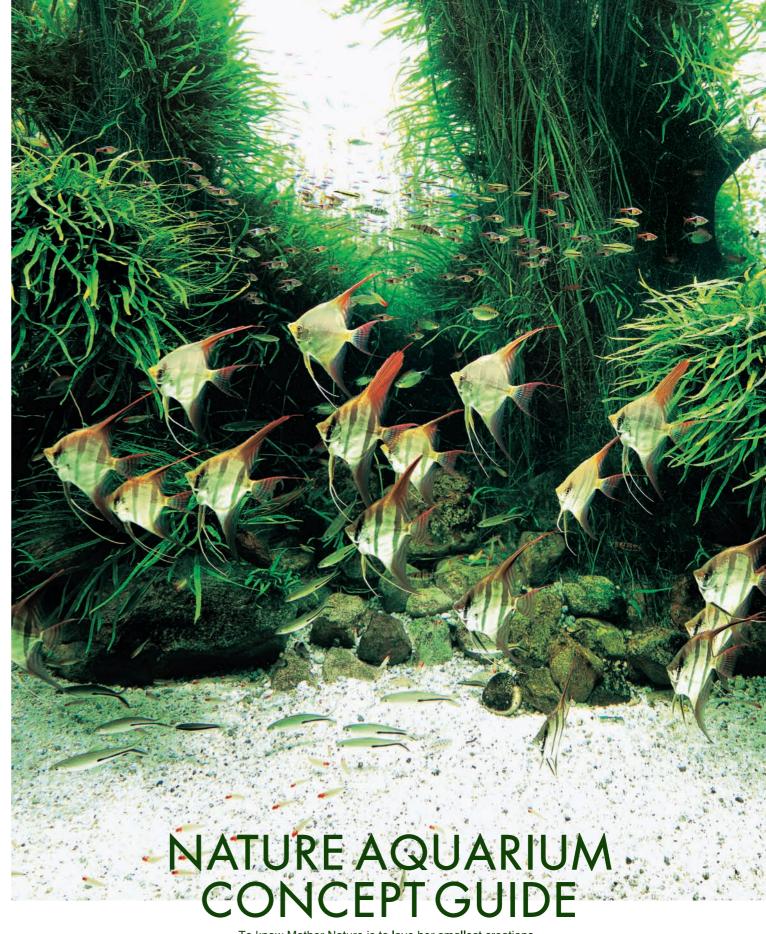
http://www.adana.co.jp



To know Mother Nature is to love her smallest creations.

We recreate the natural eco-system in our aquarium, which leads to a better understanding of the global environment.



8554-1 Urushiyama, Nishikan-ku, Niigata, 953-0054, JAPAN





Giant Nature Aquarium Created over Periods as Long as 12 Years

techniques, this huge 4m aquarium has been maintained for 12 years since it was made at Takashi Amano's private residence in December 2001. Albeit three massive earthquakes, the aquatic plants in the aquarium have been growing fresh green leaves healthily until now in a stable environment. The mix of fishes and

Created using the true essence of ADA's aquatic plants has been ever changing as they grow and reach the end of their lives; it is exactly like a change in natural landscape when viewed from the entire aquascape. Over a period as long as 12 years, this aquarium has become an ultimate Nature Aquarium masterpiece that bears a striking resemblance to natural aquatic environment.

Created and photographed by Takashi Amano Shooting date: March 1, 2013

Aquarium: W400xD150xH150 (cm)

Lighting: NAG-150W-Green x 16, turned on for 4 hours per day NA Lamp 40W x 9, turned on for 9 hours per day

Filter: Original overflow filter system

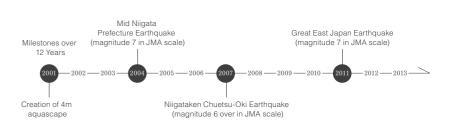
Substrate: Aqua Soil Amazonia, cosmetic sand, Power Sand Special L, Bacter 100, Clear Super, Tourmaline BC, Penac W, Penac P

CO2: Original CO2 supply system

Aeration: Original aeration system

Liquid Fertilizer: Brighty K, Green Brighty STEP 2, ECA, Green Gain

Water Change: Automatic water change system

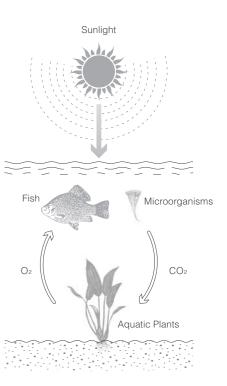




A Small Ecosystem -Global Environment in Miniature

Aquatic plants grown in an aquarium produce oxygen by photosynthesis. Living beings (fishes, shrimps and bacteria) respire using this oxygen and aquatic plants conduct photosynthesis and produce further oxygen using carbon dioxide (CO₂) released by these living beings. With this interaction between aquatic plants and living beings, an ecosystem cycle, which represents a miniature of global environment, is built in an aquarium and supports the Nature Aquarium environment.

Cycle in the Ecosystem



Learn from the Nature, Create the Nature

Nature Aquarium is created by learning from the nature and taking the essence of natural beauty into the layout. It does not mean merely to reproduce natural landscape like a diorama, but it means to get inspiration from natural landscapes to re-create an aquascape with rush aquatic plants and swimming fishes. For example, the Iwagumi layout shown below was created with the inspiration from cliffs formed by wave erosions and dynamic coastal landscapes with many gigantic rocks. Although this aquascape was produced in a small 60cm aquarium, it makes us feel the dynamism and immense scale of great nature. Hints of layout are always found in the nature.



Aquarium: Cube Garden W60xD30xH36 (cm)

Liquid Fertilizer: Brighty K, Green Brighty STEP 1, ECA

Water Change: 1/2 once a week

Fish/Invertebrates: Inpaichthys kerri

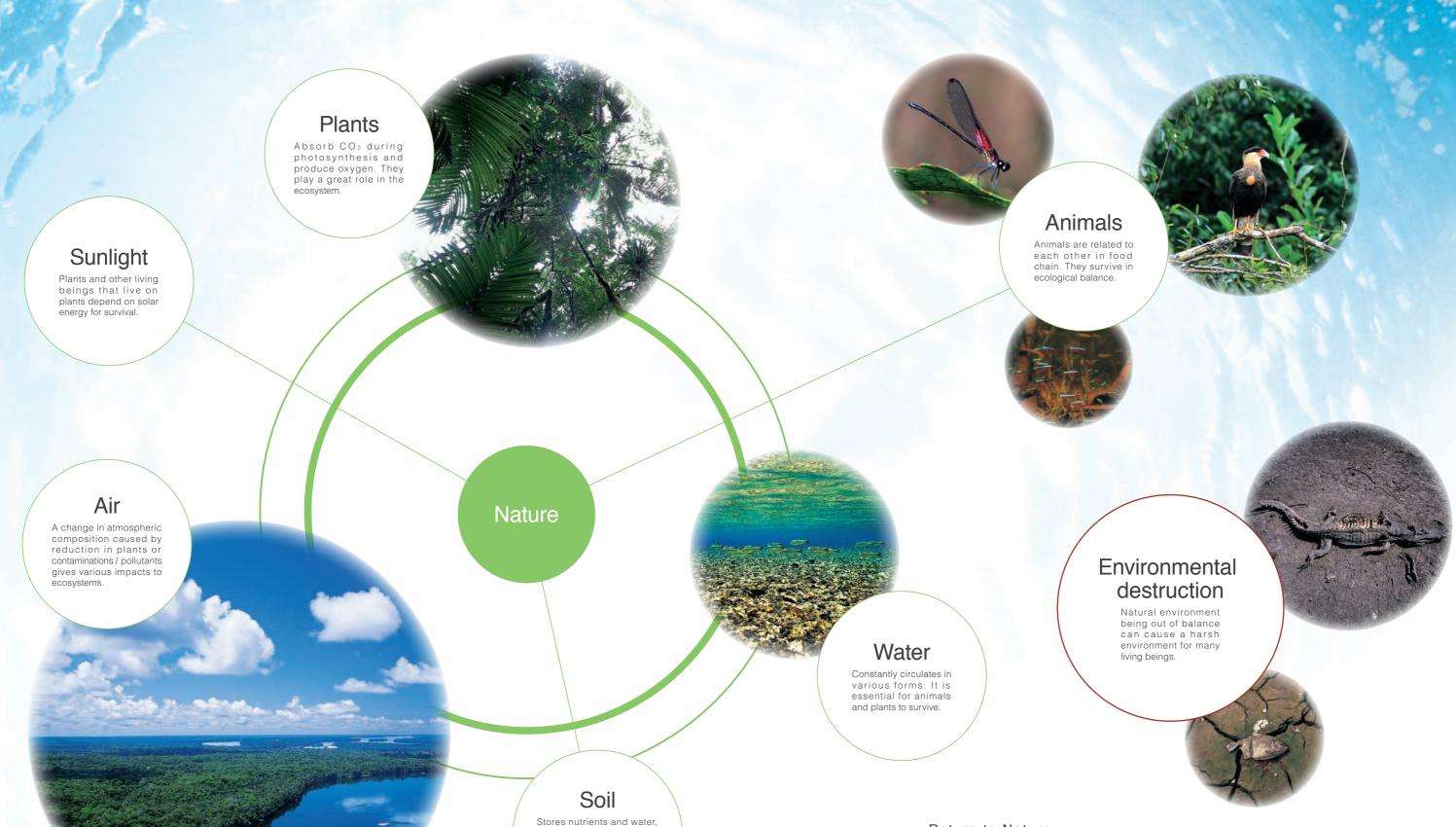
Aquatic Plants : Glossostigma elatinoides Echinodorus tenellus

> Otocinclus sp. Caridina japonica

Lighting: NA Lamp 20W x 4, turned on for 10 hours per day Filter: Super Jet Filter ES-600 (anthracite, Bio Cube)

Clear Super, Penac W, Penac P





supporting the lives of animals and plants. Soil bacteria promote decomposition of

organic matters.

Return to Nature

Natural ecosystem consists of diverse living beings as well as water, air and soil surrounding them. These components are constantly changing under the influence of sunlight, solar heat, and photosynthesis and respiration of living beings. What is important here is a good balance of the ecosystem; and losing

such a balance can result in excess carbon dioxide or water pollution. Nature Aquarium tells us the importance of balanced ecosystem. Many people are attracted to Nature Aquarium in the midst of a growing concern for environmental destructions. It is possibly a sort of "a return to nature".



resembling to natural landscape within an aquarium. In this fascinating environment, the water sparkles with the help of beneficial microorganisms, aquatic plants thrive luxuriantly and colorful tropical fishes swim merrily. One of the attractions of Nature Aquarium is that we can

which we can hardly see in our daily lives. Green aquatic plants swaying in crystal clear water provide visual relaxation and healing effects. ADA opened Nature Aquarium Gallery to get more people to know about the attractive features of Nature Aquarium.

ADA System Reproduces Natural Ecosystem

Nature Aquarium reproduces the ecosystem within an aquarium system that is built using appropriate equipment in combination. The synergy effects of each equipment used help establish a stable

ecosystem in an aquarium, though the scale is, of course, incomparably smaller than the actual size observed in the nature. ADA's aquarium systems hold the wisdom of nature.

Lighting System Inspired by the Sun as an Ideal

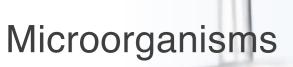
The Sun is the only source of light that makes natural ecosystems work. It is ideal to reproduce the sunlight that shines into water, but the luminance and color temperature of the sunlight varies with time of the day. Nature Aquarium's lighting system reproduces the ideal lighting environment for aquatic plants.



Water

Substrate as the Ground where Aquatic Plants Take Root

In natural aquatic environments, there are locations where aquatic plants grow and where they do not. Referring to the locations where aquatic plants thrive, Nature Aquarium builds a substrate that contains rich organic compounds and nutrients and also helps aquatic plants send out their roots. On the other hand, a river bed with no aquatic plants can also be expressed by using cosmetic sand and pebbles.





ADA Aquarium system: W180×D60×H60 (cm)

Water for Healthy Growth of Fishes and Aquatic Plants

Just as the air surrounding us, water is indispensable for fishes, aquatic plants and others living in water. We have difficulty in breathing in polluted air and in like manner, the health of fishes and aquatic plants can be adversely affected in contaminated water. For aquatic living beings, water quality including pH level and hardness and also the rate of water flow are equally important as cleanliness of water.





Filters with Beneficial Filtration Bacteria

In natural ecosystems, contaminants including excrements are broken down and water is purified by tiny, invisible microorganisms such as bacteria and protozoa. This excellent water purification system is utilized in ADA's filtration systems. The activities of these microorganisms support the "small ecosystem" in aquariums.

AQUARIUM TANK

Cube Glass

W36×D22×H26 (cm) W45×D27×H30 (cm) W60×D30×H36 (cm)

This simple frameless aquarium tank helps planted aquarium look more attractive. It is also ideal for keeping ornamental fishes.

Cube Glass Glass Cover

Aquarium size W36xD22 (cm) Aquarium size W45xD27 (cm) Aquarium size W60xD30 (cm)

This is a glass cover for Cube Glass. Install this with the plastic hook supplied with Cube Glass.



Waterfall

W30×D30×H30 (cm) W60×D45×H45 (cm) W90×D45×H45 (cm)

Waterfall is a cascading aquarium tank specifically designed for Wabi-kusa in an emersed setup. The water flows from the top to the bottom resembling a waterfall. The depth of the bottom portion is 12cm.

- * Waterfall comes with the dedicated glass inflow and outflow pipes.
 * The shape of W30×D30×H30 (cm) is
- slightly different from other models.



Waterfall Ver.2

W60×D45×H45 (cm) W90×D45×H45 (cm)

Waterfall Ver.2 has a deeper bottom portion (17cm deep) to allow the users to make a simple layout and enjoy Wabi-kusa in an emersed setup.

* Waterfall Ver.2 comes with the dedicated glass inflow and outflow pipes.



Plant Glass Cube

W15×D15×H15 (cm) Wabi-kusa Echinodorus Mix

This is a square Plant Glass that gives a sharp impression. Suitable for keeping killifish and betta.



Plant Glass Cylinder

2010 / Ø20×H10 (cm) 2020 / Ø20×H20 (cm) Wabi-kusa Stemmed Plants Mix

The wide opening makes the maintetwo different depths (H: 10cm and 20cm).

Featuring adorable round design. this Plant Glass serves as a sophisticated interior decoration item.



Plant Glass Valley

Max. diameter Ø20×H9.5 (cm) Wabi-kusa Stemmed Plants Mix

Vallev is the Plant Glass designed for keeping one set of Wabi-kusa inside. Suitable for



Plant Glass Polka

Max. diameter Ø15×H16.5 (cm) Wabi-kusa Stemmed Plants Mix

Its gentle round shape enhances the charming look of Wabi-kusa. Plant Glass Polka features a diagonally-cut wide opening for easy maintenance.



Plant Glass Carafe

Max. diameter Ø13×H23 (cm) Wabi-kusa Stemmed Plants Mix

Featuring a stunning diagonal cut design, this Plant Glass makes Wabi-kusa look attractive as if it is enveloped in glass.



Plant Glass Oasis

Max. diameter Ø24.5×H12 (cm) Wabi-kusa Mossbase

Wabi-kusa looks gorgeous as if it is floating in the air. The plant stretched out of the Plant Glass will be hanging along the round contour.



Plant Glass Loop

Max. diameter Ø19×H10 (cm) Wabi-kusa Stemmed Plants Mix

One set of Wabi-kusa fits perfectly into the center pocket. You can enjoy vigorously growing aquatic plants through its wide opening.



Plant Glass Lotus

Max. diameter Ø16.5×H7.5 (cm) Wabi-kusa Echinodorus Mix

This Plant Glass features gentle curves like lotus flower. It provides great flexibility in arrangement of Wabi-kusa.



Branch

White / Black / Cream / Silver W34×D34×H62 (cm)

Branch is a halogen lamp lighting system (75W) ideal for Plant Glass. Its sophisticated curvy design enhances the room interior. Available in four colors.



nance of Wabi-kusa easy. Available in



25 / Max. diameter Ø27×H25 (cm) Wabi-kusa Stemmed Plants Mix

placing on a table to casually enjoy Wabi-kusa.



Branch Stand

White / Black / Cream / Metallic Silver High type / W40×D40×H70 (cm) Low type / W40×D40×H4 (cm)

This is a stand exclusively designed for Branch lighting system. It is convenient for decorating Plant Glass in the room. Available in two different types and four colors.





CO₂ Starter Kit

CO₂ Starter Kit contains all accessories necessary to start CO2 injection. It is suitable for small aquarium tanks that require only a small amount of CO2 supply and also for cost-conscious users.

* Tropical Forest cartridges, non-ADA cartridges and large CO2 tanks cannot be connected to CO2 Starter Kit.

^{*} Plant Glass does not come with Wabi-kusa.



CO₂ Bottle

CO₂ Bottle (6 bottle set)

This is a replacement cartridge for CO₂ Starter Kit. Under the condition of CO₂ supply rate at one bubble per second, about two bottles are usually consumed monthly. Content: 35g



CO₂ Diffuse

Ø20×H100 (mm)

This is a CO₂ diffuser with integrated bubble counter. Suitable for 60cm or smaller aquarium tanks.



CO₂ Music Glass

Ø10 / for aquarium size W30 - 45 (cm) Ø30 / for aquarium size W90 (cm) Ø50 / for aquarium size W180 (cm)

Diffuses CO₂ efficiently in water. Its amusing design resembling a musical note adds merriment to aquarium. Available in six sizes.



CO₂ Music Glass Mini

Ø10×H110 (mm) Ø15×H110 (mm)

CO2 Music Glass Mini can be installed without using any suction cup and therefore it will not impair the aquascape in small aquarium tank.

* This product is designed for frameless aquarium tank with glass thickness of 5mm



CO₂ Music Counter

Max. diameter Ø30×H90 (mm)

Measures the CO₂ supply amount by counting CO₂ bubbles. Use this with the CO₂ Music Glass series item in combination.



Poppy Glass

PP-1 / for aquarium size W45 - 60 (cm) PV-1 / for aquarium size W45 - 60 (cm)

Moderates the water flow with its ball-shape outflow port. Suitable for keeping fishes that prefer gentle water flow.



Violet Glass

VP-1 / for a quarium size W45 - 60 (cm) VV-1 / for a quarium size W45 - 60 (cm)

The smaller outflow port of Violet Glass creates slightly-downward water flow. This product can be used for aeration by installing it at an appropriate position.



Violet Glass Mini

Mini MP-1 Mini MV-1

Violet Glass Mini is an inflow/outflow pipe for small aquarium tanks having the same features of Violet Glass. No suction cup is required for the installation of this product.



Violet Glass Jet

JP-1 JP-2

This is an outflow pipe to make a strong current in an aquarium. No suction cup is required for the installation of this product.



Do Scissors S

Straight / H145 (mm) Curve type / H145 (mm)

Do Scissors S is short-type trimming scissors. Curve type is suitable for trimming of foreground plants.



Do Scissors M

Straight / H230 (mm) Curve type / H230 (mm)

Do Scissors M is trimming scissors essential for the maintenance of attractive layout. Curve type is suitable for trimming of foreground plants.



Do Pinsettes

S/M/L/XL

The user's gripping force is easily transmitted to the blade tips to help accurate planting of aquatic plants. Select from four types according to your needs.



Maintenance Stand I

Type A / Type B

Maintenance Stand ${\mathbb I}$ is a stainless steel stand that offers a systematic storage for the tools essential for daily maintenance of aquarium.

* The above picture shows the product in use. No additives, fish food and tools are included in this product.



Metal Hook Stand for be liquid

This is a stand specifically designed for hanging a bottle of frequently-used additives (such as Dolaqua be liquid series) on an aquarium tank.

* This product is designed for frameless aquarium tank with glass thickness of



Wabi-kusa Hanger

Ø75×H170 (mm)

This is a hanger developed specifically for enjoyment of Wabi-kusa. Hang this product on the rim of an aquarium tank.

* This product is designed for frameless aquarium tank with thickness of 5mm or less.



NA Water

Two types of high-efficiency filters remove the residual chlorine, iron rust and other impurities contained in tap water.

* NA Water can be equipped with RO (reverse osmosis) and deionizing functions by installing the optional parts.



Carbon Filter HD30

Carbon Filter HD30 offers an enhanced residual chlorine removal capacity with its high-density activated carbon fiber. It does not affect the pH level of water.

* Replacement intervals: Approximately 6 months / Water treatment capacity: Approximately 30,000 @



Natural Cotton Sediment Filter

Its natural high-density cotton fiber removes impurities in the tap water such as iron rust.

* Replacement intervals: Approximately 6 months





Carbon Filter HD300

This high-performance carbon fiber is suitable for treatment of a large volume of water for a long period of time. The treated water has a higher pH level immediately after the treatment.

* Replacement intervals: Approximately 5 years / Water treatment capacity: Approximately 300,000 ℓ

RO Kit

RO Kit removes 99% of the impurities in tap water with its reverse osmosis membrane to produce nearly pure water. Ideal for marine aquariums.

* Use this product together with NA Water.

RO Kit Membrane

The membrane needs to be replaced in the event any significant decline in water treatment volume or rise in TDS value is observed.

* Replacement intervals: Approximately 2 years / Water treatment capacity: Approximately 380 l/ /day



DI Kit

DI Kit is a deionizing filter to be used with NA Water and RO Kit in combination. It produces pure water with purity level of 99.99% or higher.

* Replacement intervals: Approximately 6 months





be Fine

200mℓ

Promptly neutralizes the residual chlorine in tap water. This is an additive essential during water change.



be Relax

200mℓ

The mucosa protection ingredients and various vitamins contained in this product relieve stress and damages on fishes and cares for the fish body surface.



be Green

200mℓ

Supplies potassium and trace elements that easily become deficient in aquarium to achieve healthy leaf color of aquatic plants.



be Soft

200mℓ

Lowers the pH and carbonate hardness (KH) levels to provide a mildly acidic environment. No phosphate and nitrate are contained in this product.



be Clear

200mℓ

Removes excess nutrient salts with its fine particles having superior absorption capability to control algal growth.



be Bright

200mℓ

This is an additive for growing Wabikusa in an emersed setup. Apply this by way of foliar application or application to the Wabi-kusa water. Contains nitrogen, phosphate, potassium and trace elements.



Sea Salt

for 25ℓ water for 100ℓ water

Contains well-balanced active ingredients including calcium to prepare ideal artificial seawater. It also helps reduce running costs.









SUIKEI FOOD

55g

This is a new fish food for the enjoyment of attractive planted aquarium. The flake size was made to fit the mouths of small tropical fishes. Available in four types of bottles with different aquascape designs.

* The lid has a food outlet.



Food Glass

Food Glass is a glass feeder designed for flake-type fish food. Feeding amount can be conveniently adjusted by the push of your fingers.

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