

midorie

FLAX MIDORI PROJECTS, INC.

■ ABOUT SUNTORY

1. BUSINESS DEPLOYMENT OF SUNTORY
2. EVOLUTION OF GREENERY

■ ABOUT PAFCAL

1. WHAT IS PAFCAL
2. COMPARISON OF SOIL & PAFCAL
3. GROWTH COMPARISON OF SOIL & PAFCAL

■ ABOUT MIDORIE

1. MIDORIE (BASIC STRUCTURE OF GREEN WALL SYSTEM)
2. MIDORIE SYSTEM
3. MIDORIE'S ADVANTAGE
4. WALL TEMPERATURE

■ ABOUT PLANT FARM

1. OUR PLANT FARM
2. PUT PLANT IN TO A PAFCAL
3. PLANTS

■ ABOUT THE PRODUCT

1. MIDORIE FRAME & KOMIDORI

■ ABOUT ACHIEVEMENTS

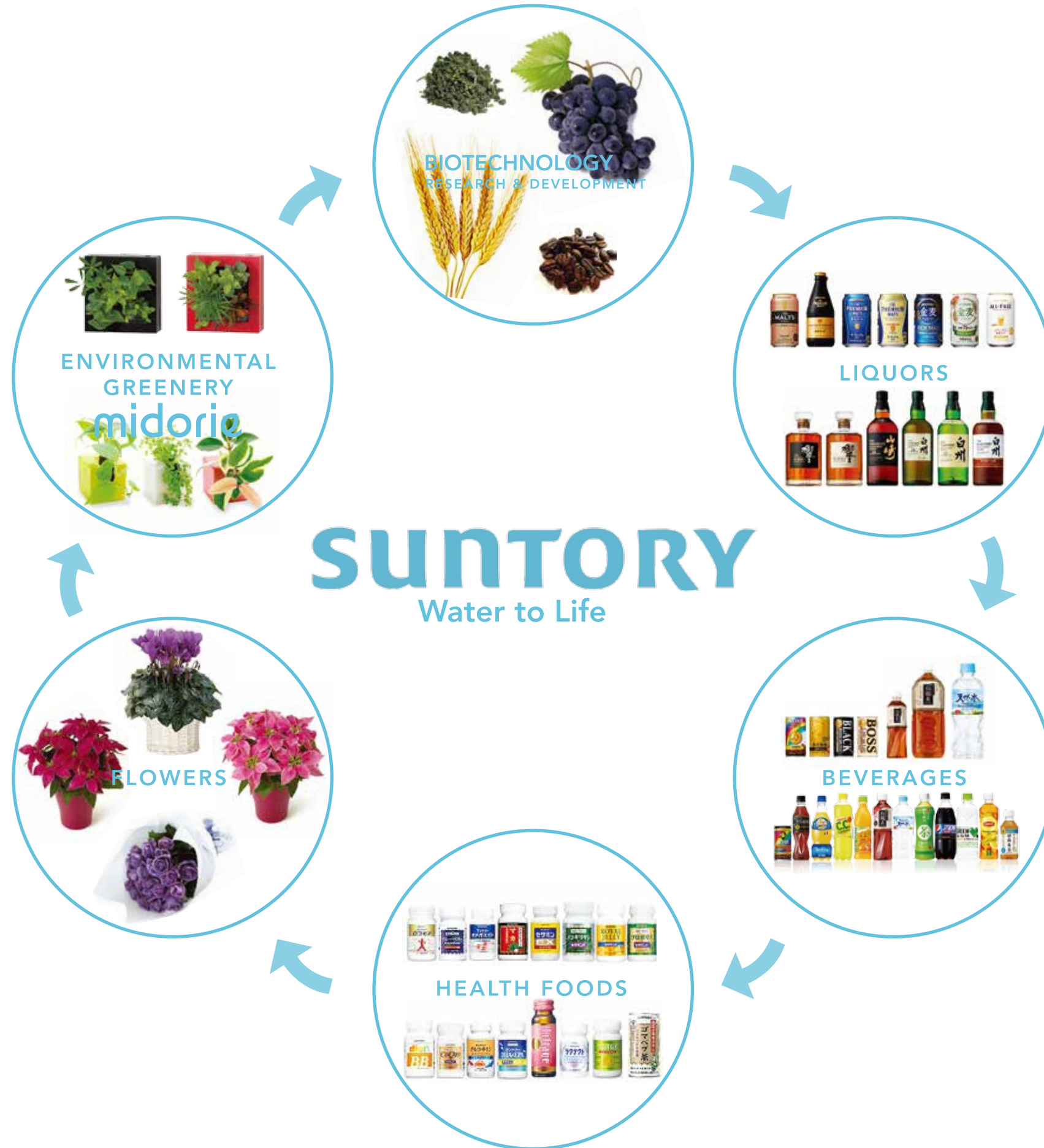
1. ACHIEVEMENTS IN JAPAN
2. ACHIEVEMENTS IN CHINA
3. ACHIEVEMENTS IN HONG KONG
4. ACHIEVEMENTS IN THE PHILIPPINES

■ ABOUT THE REPORT

1. VARIOUS REPORTS

ABOUT SUNTORY







EVOLUTION OF GREENERY

Innovative Vertical Greenery System Using New Soilless Substrate with High Water Absorption and Retention

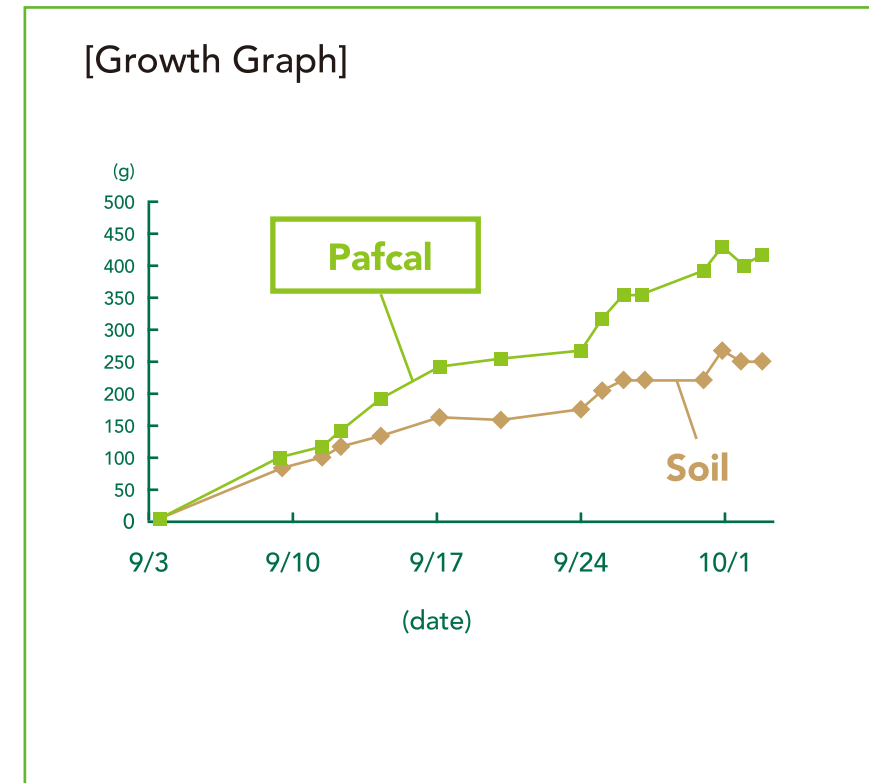
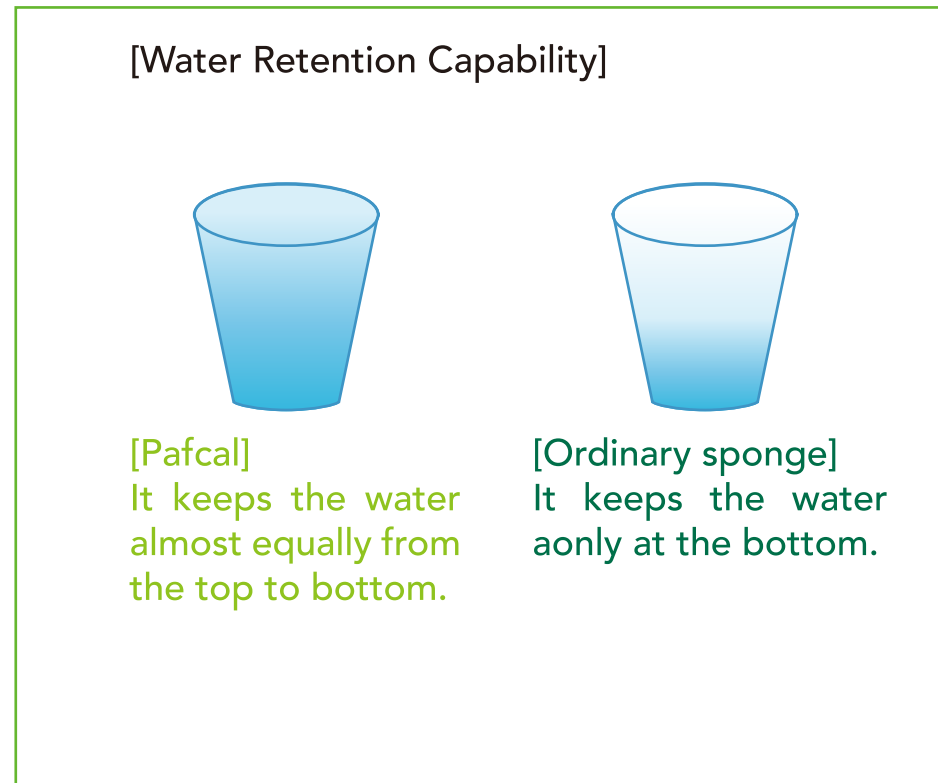
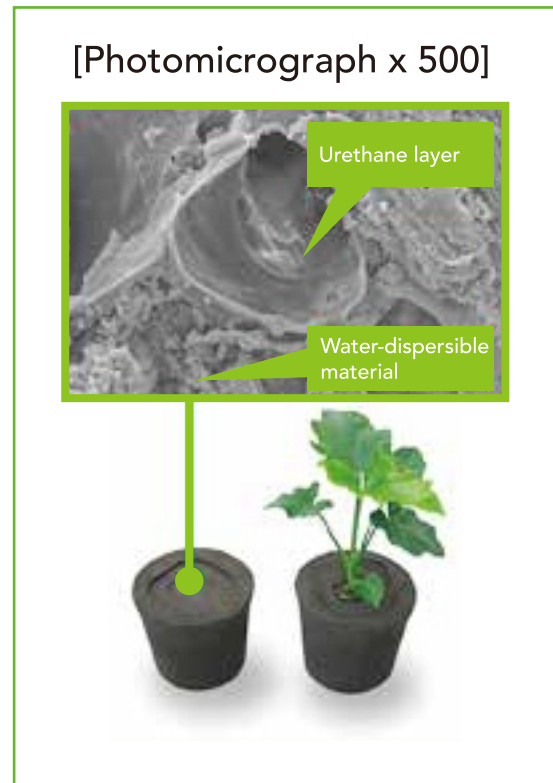


ABOUT PAFCAL

What is **pafcal**?

It is a new material invented by Suntory.

For plants to grow, the balance of water and air is fundamental. The "Pafcal" Suntory invented is different from ordinary sponge, even high it absorbs the water almost equally from the top to bottom and keeps the balance of water and air. And it is easy to replace the plants at change of seasons, events or shop renewals.



Characteristics of "Pafcal"

1
Clean

It is molded so it won't collapse like soil.

2
Light

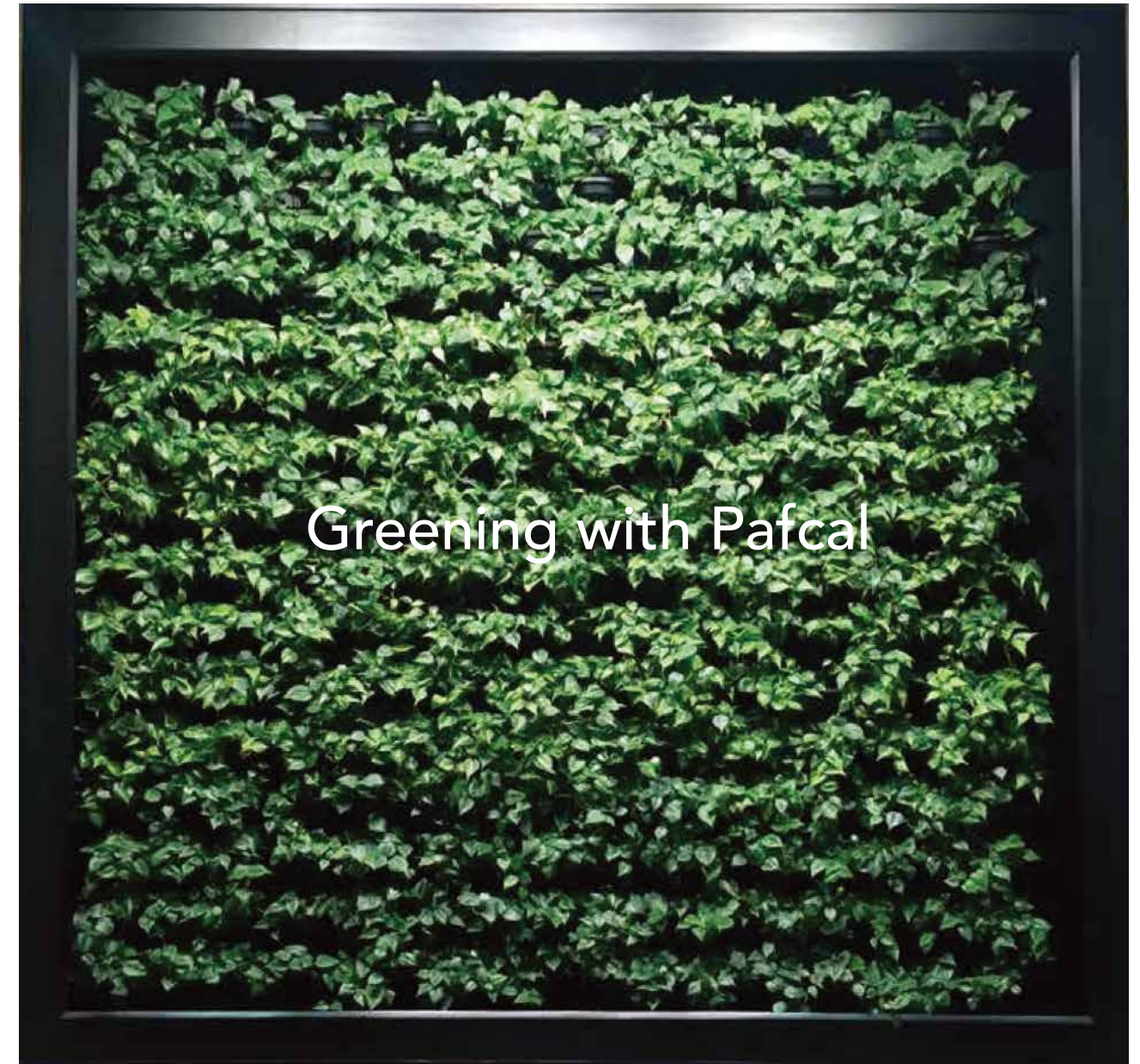
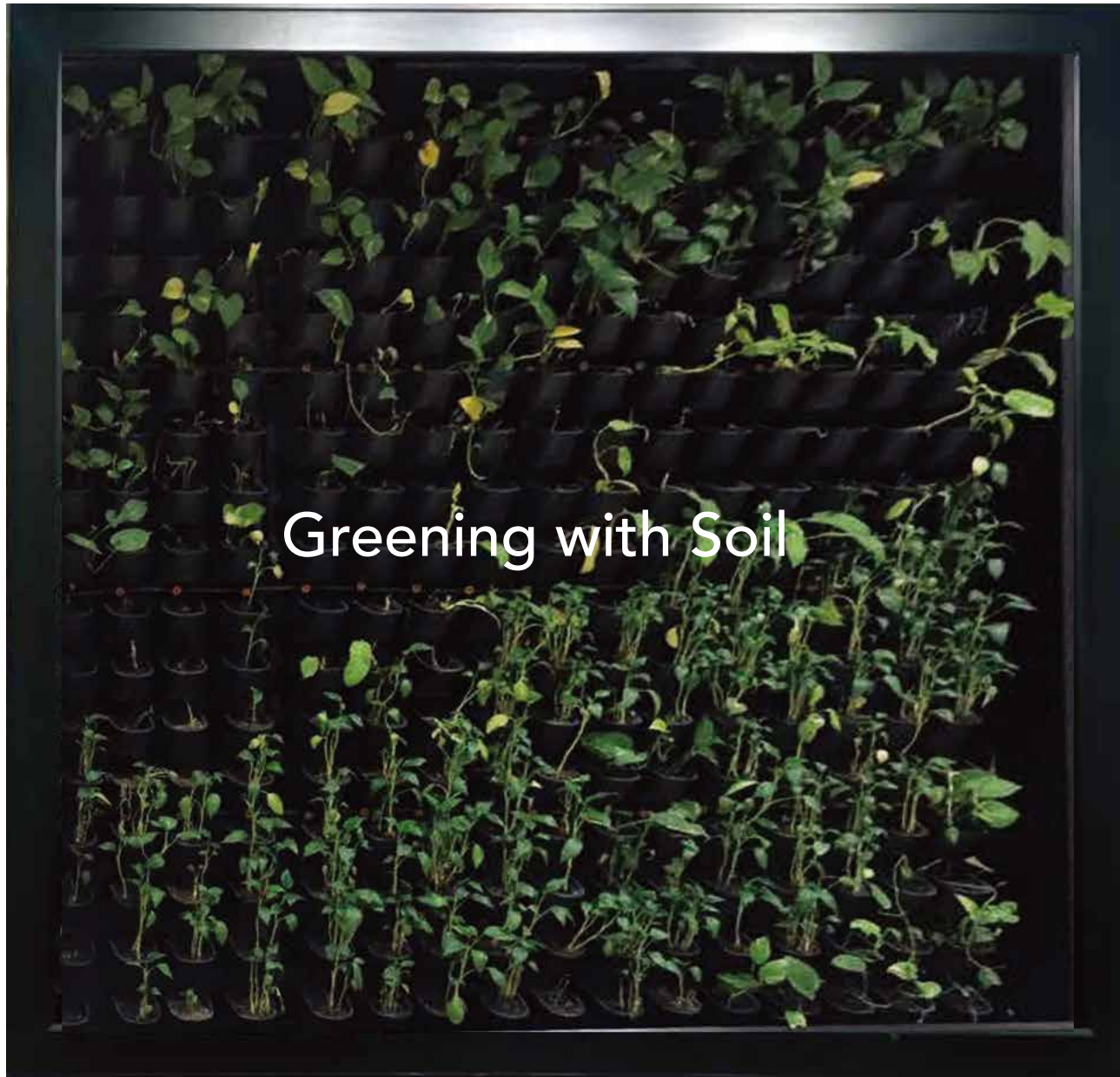
Once it contains the water, it is 50% lighter than soil.

3
Growth

It ensures breathability, and supplies oxygen until the roots so plants grow bigger and live longer.

4
Easy

You can replace the plant with Pafcal. Changing the design with seasons and maintenance are easy.



No Pest Control



Hard Maintenance



Hard Installation



Pest Eggs in Soil.



No Pest Worry



Easy Maintenance



Easy Installation



No Pest Eggs



Hard Transplantation



Root Rot



Water Contamination



Heavy Weight



Easy Transplantation



Rare Root Rot

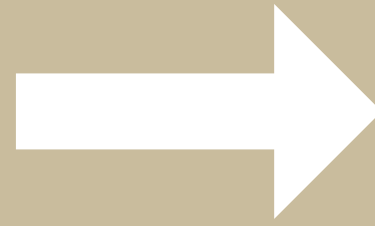


Cleaning Water Effect



Light Weight

Soil



After 1 month



Pafcal



After 1 month

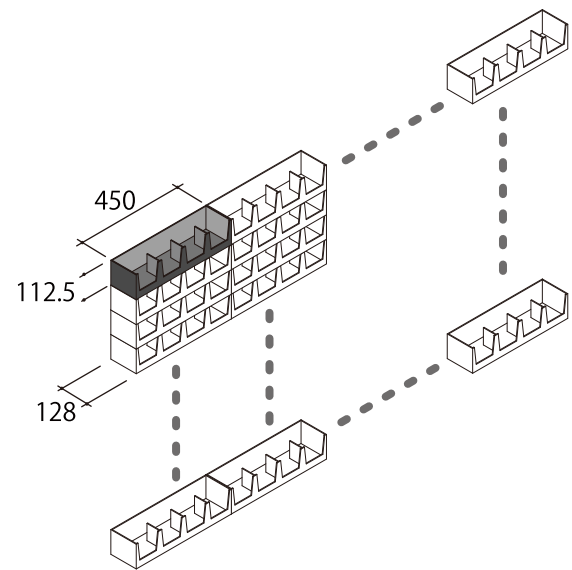




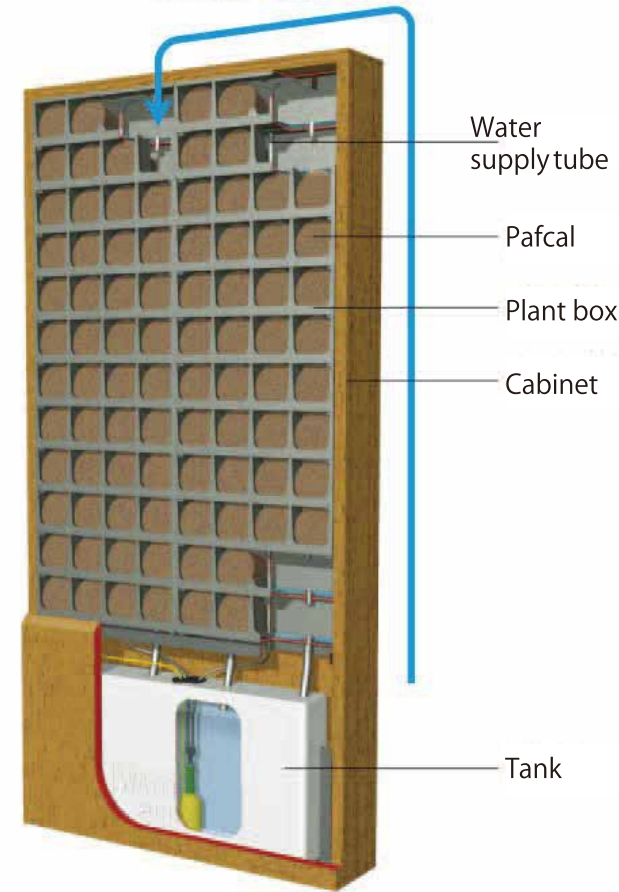
ABOUT MIDORIE

< Feature of system >

- consistent automatic irrigation
- easy to maintain
- easy to replace
- thin layer (180mm)
- wide range of planting designs



Water travels through the tube to the top and will be absorbed by the Pafcal from top to bottom.



■ Automatic Irrigation Tank System (Circulation Type)



■ Automatic Irrigation Primary Water Supply System (Direct Drainage Type)



No Pest Worry



Easy Maintenance



Easy Installation



Relaxing Effect



Visual Fatigue Relaxation



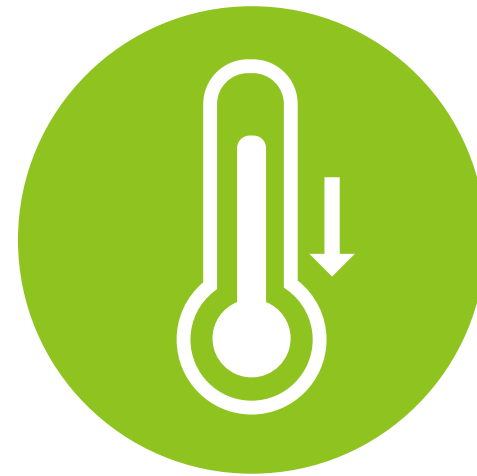
Green



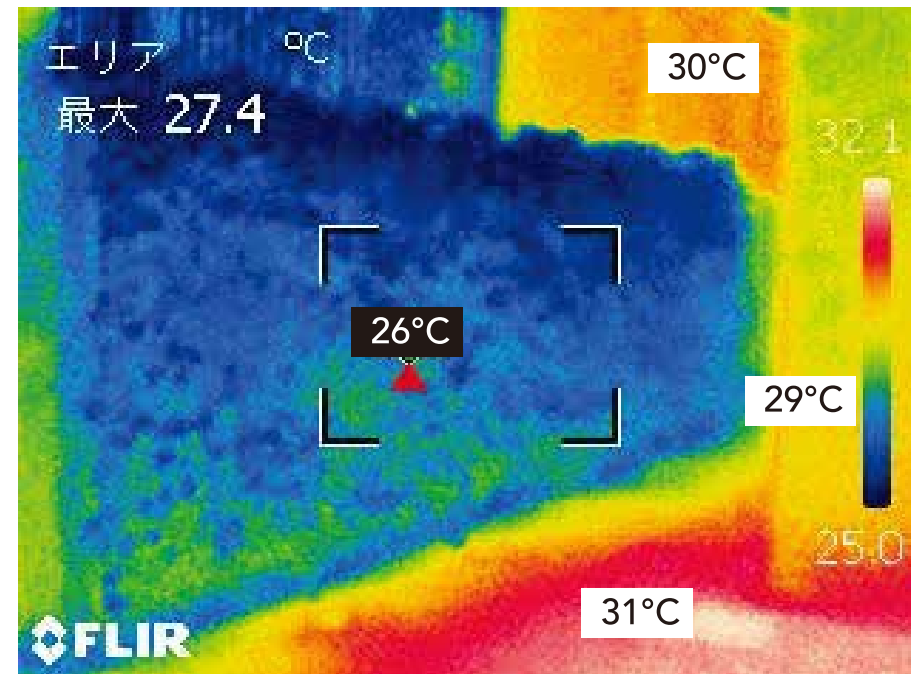
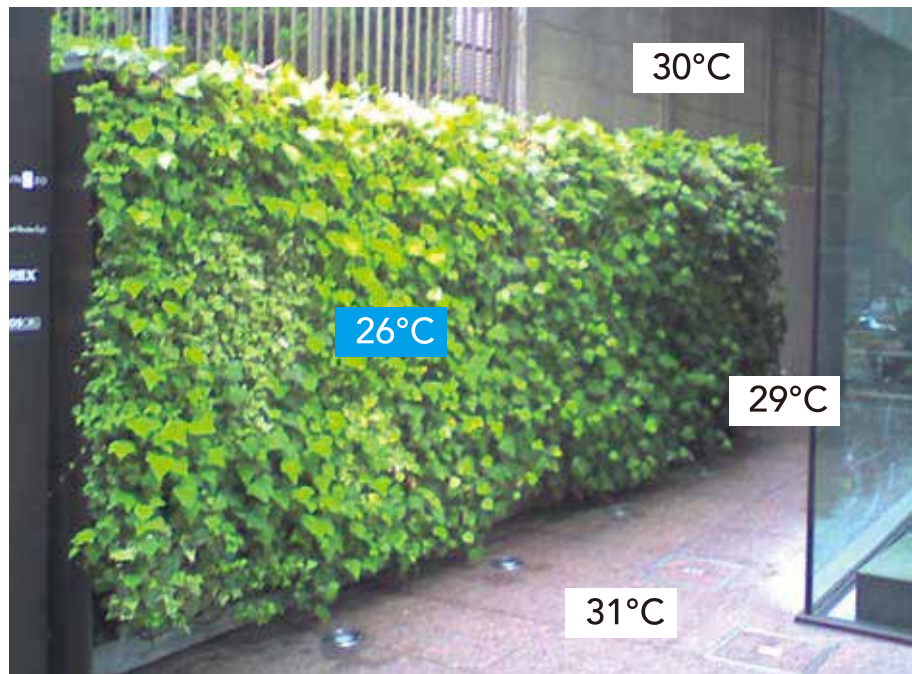
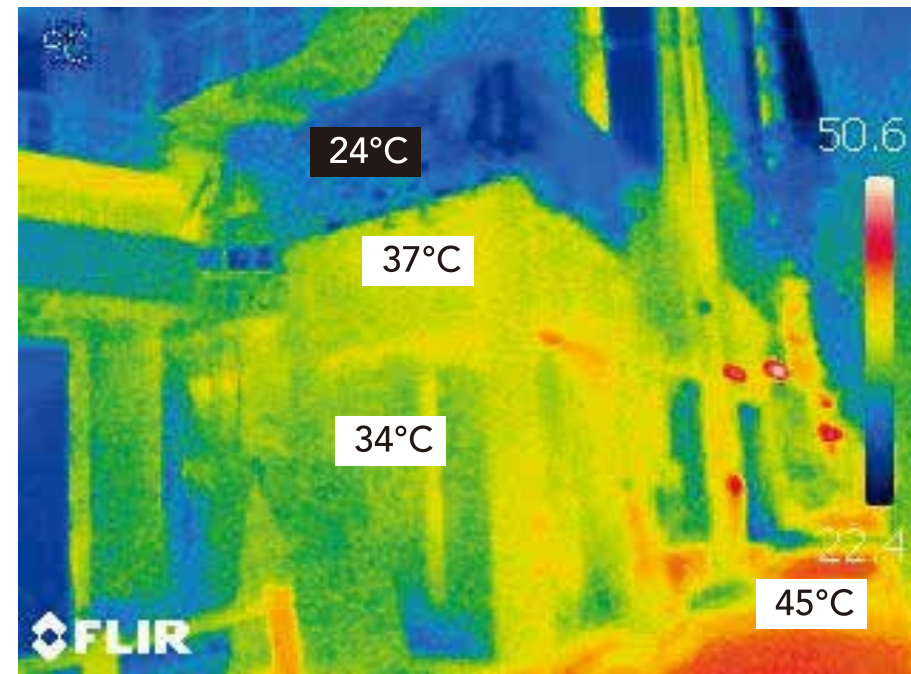
Noise Prevention




Air Cleaning Effect



Temperature Lowering Effect





ABOUT THE PRODUCT



A SPECIAL PRESENT FOR YOUR PRECIOUS ONE

For Corporate Giveaway, Christmas Gift, Birthday Gift
This is a new item for your interior. Easy to maintain, and freely design your own green.



Square Frame WHITE



Square Frame BLACK



Square Frame RED



Square Frame YELLOW



Square Frame IVORY



Square Frame AMBER



Round Frame WHITE



Round Frame BROWN



Round Frame RED



Komidori WHITE



Komidori YELLOW



Komidori RED

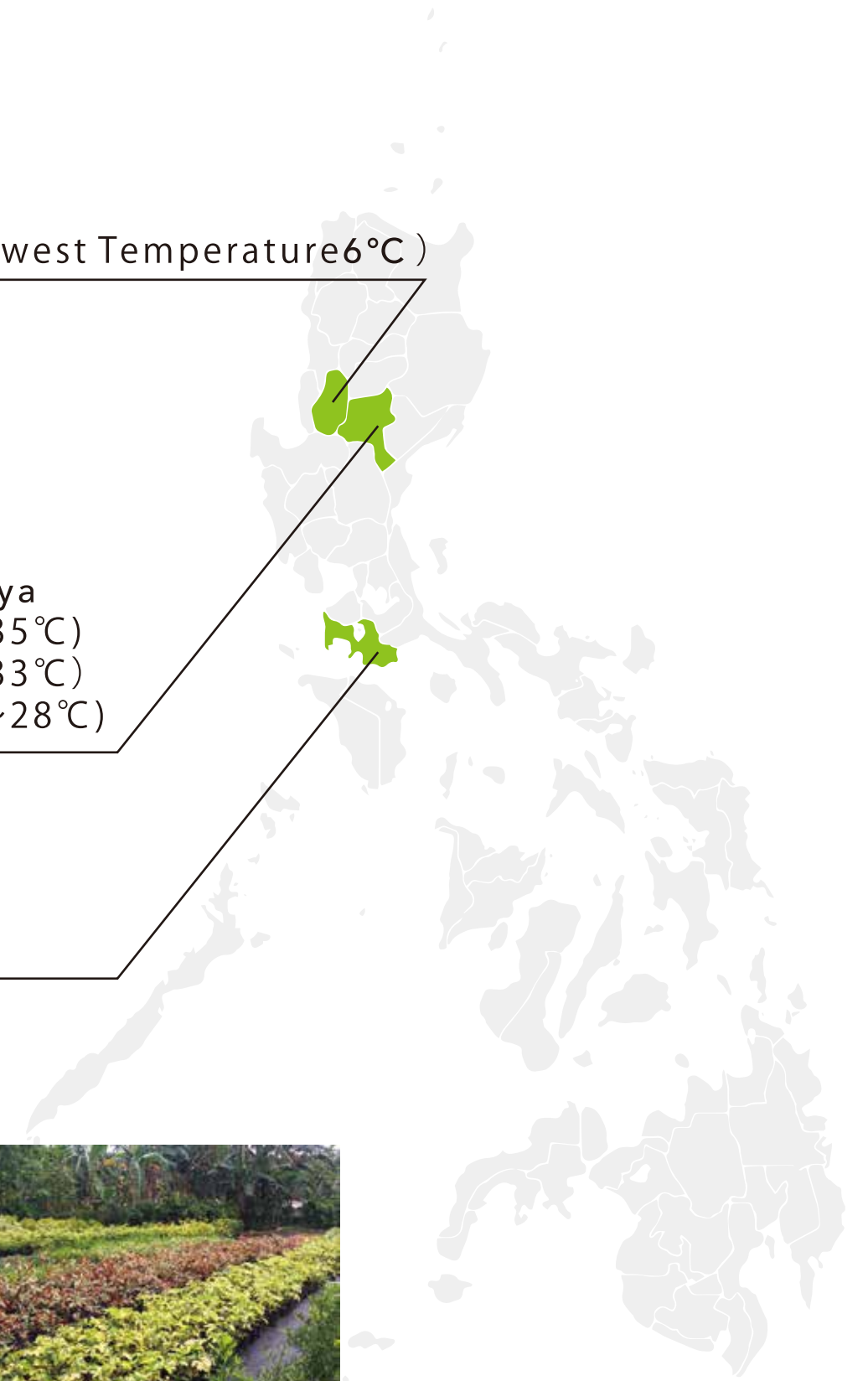
ABOUT PLANT FARM



Baguio
• 1200m(22~28°C)
• 2300m(13~24°C Lowest Temperature 6°C)

Nueva Vizcaya
• 400m(27~35°C)
• 600m(25~33°C)
• 1200m(22~28°C)

Lipa
150m (35°C)



★ Oxycardium Green



1. Cut out elongated mother plants.



2. Cut plants.



3. Plants are planted in coconut fiber.



4. Remove plants after one month & drain the dirt with water.



5. Put plants in to a pafcal.



6. About 3 months later.

★ Song of Korea



1. Prune plants & wash the leaves one by one with water.

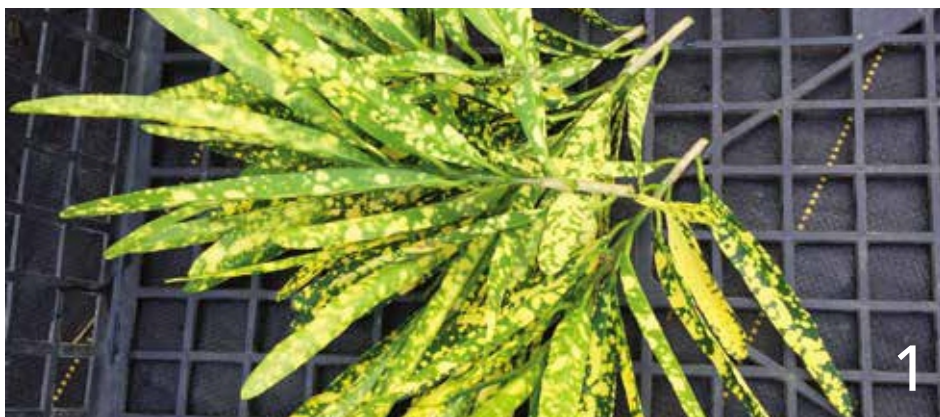


2. Add nutrients to plants.

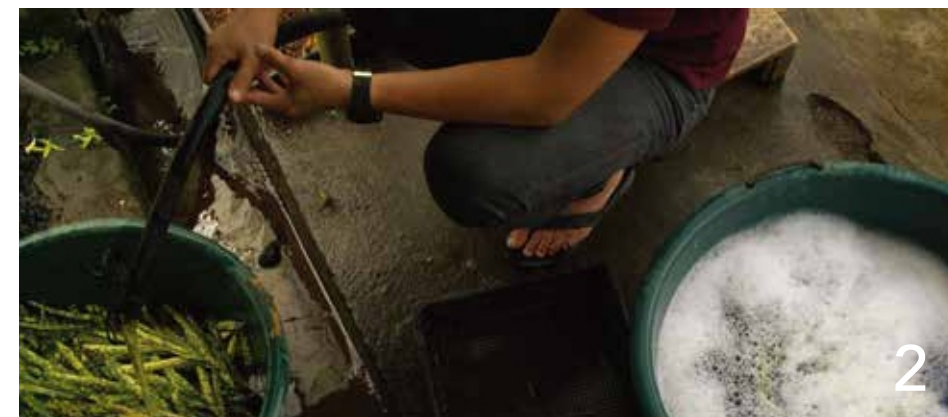


3. Put plant in to a pafcal.

★ Codiaeum variegatum cv. "VAN OOSTERZEEI"



1. Pruned plants



2. Wash the leaves one by one with detergent.



3. Put plant in to a pafcal.



Pothos (Enjoy)

Green Wall Frame



Peperomia (Obtusifolia Variegata)

Green Wall Frame



Dracanea (Janet Craig Compacta)

Green Wall Frame



Croton (Jumping Leaf)

Green Wall Frame



Croton (String)

Green Wall Frame



Ficus Pumila (Green)

Green Wall Frame



Peperomia (Puteolata)

Green Wall Frame



Dracaena Marginata (Rainbow)

Green Wall Frame



Dracaena Marginata (Ivory)

Green Wall Frame



Oxycardium (Brazil)

Green Wall Frame



Ficus Pumila (Sunny)

Green Wall Frame



Dracaena (Warneckii)

Green Wall Frame

Kyoto-Yodobashi
&
Midori

ABOUT ACHIEVEMENTS









A close-up photograph of a person's hand holding a black and gold pen, poised to write on a document. The document features several charts and graphs, including a bar chart with blue bars and a line graph with a yellow line. The background is blurred, showing a person in a white shirt. The overall scene suggests a professional or business setting.

FOR YOUR REFERENCE

**FUNDAMENTAL STUDY
ON THE PLANTING &
SPACE EFFECTS IN THE
PUBLIC NUISANCE PRE-
VENTION IN THE CITY**



Noise Prevention

Chiba University

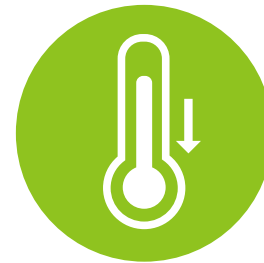
**EVALUATION OF AIR
CLEANING FUNCTIONS
BY GREENZONE &
ROADSIDE TREE**



Air Cleaning Effect

Fukuoka City Preservation
Research Report

**ON THE WALL TEMPERA-
TURE OF THE CASE OF
WALL SURFACE GREEN-
ING CONSTRUCTION**



Temperature Lowering Effect

Suntory Midorie

**DERIVATION OF QUAN-
TITATIVE EVALUATION
METHOD OF AIR PURIFI-
CATION CAPACITY OF
PLANT**



Air Cleaning Effect

Japan Advanced Institute of
Science and Technology

**EVALUATION OF
INDOOR GREENING EF-
FECTIVENESS**



Relaxing Effect

Ehime University

**WIND RESISTANCE TEST
REPORT OF WALL
GREENING SYSTEM**



No Problem Typhoons

Osaka Municipal Industrial Research
Institute Hiroshi Nagashima

**PAFCAL FLAMMABILITY
TEST**



PAFCAL is Burnable Garbage

DJK Yokohama Laboratories

**ELUCIDATION OF WATER
SUPPLY AND WATER
RETENTION MECHA-
NISM OF POPULATION
CULTIVATION**



PAFCAL is Air: 70% Water: 30%

The University of Tokyo

THANK YOU