Urban Hydroponic Systems  
(A wholly owned subsidiary of MedicalCannabisUSA.org)

Beta Test Project  
Officially Extended  
Until Pandemic Ends

We are looking for people to help us test our new Home Hydroponic System for growing Bonsai style mother plants. We will send you one “Plug N Play” kit and help you grow a CBD Cannabis plant (non-THC) for 30 days. And after the 30 days are up, you will have the option to keep the system and continue growing, harvest the plant and return the equipment to us, or go on to the advanced stages of creating traditional Bonsai Mother Plants.

Estimated Growth Time Cycle

| Week One Size (Estimated) | Week 12  
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<td>Advanced Cola Development (Harvest Time)</td>
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|                           | Week 16  
|                           | After Harvest, we revert our plant back to its vegetative state and we start all over |
|                           | Week 17 (and older)  
|                           | The Bonsai style pictures below are not ours, but they show what can be done by creative growers. The cannabis plant gives the grower a huge advantage because they grow so fast and can be kept alive for years. The plants below are probably only 5”-8” tall. And, judging from the trunk, the plant on the left is probably about 5-6 years old. The others are probably from one to four years old. |
| Week Two Size (Estimated) |
| Week Three Size (Estimated) |
| Week Four Size (Estimated) |
| Week 6  
| Colas Start Forming (Estimated) |
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Indoor Apt and Small Home Startup Module

- Small footprint, 10” x 10” Root Cup Lid
- Interchangeable, fits all buckets, (2.1G, 3.3G, 4.0G, and 5.0G)
- Comes complete with clay pebbles, seedling plug, Bubbleponic pump, air stone, hoses, and LED seedling light, with complete step-by-step instructions.
- Plug N’ Play, simply add water, nutrient pack, plug it in, and then watch it grow.
- Guaranteed results (when using our special rental or leasing program)

- Standalone Root Cup Module
  SML-10” x 10” x 4”
  MED-10” x 10” x 5”
  LRG-10” x 10” x 6”
  XLG-10” x 10” x 7”

- Bucket Sizes
  SML-2.1 gallon, 10x10x8
  MED-3.3 gallon, 10x10x13
  LRG-4.0 gallon, 10x10x15
  XLG-5.0 gallon, 10x10x17

- Mobile Stand Sizes
  SML- 8-10 buckets
  MED-12-15 buckets
  LRG-16-20 buckets
  XLG-21-24 buckets
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Commercial Indoor Hydroponic Systems

- Easy setup and operation
- Small footprint
- Scalable system size
- Interchangeable bucket size
- Mobile system on wheels
- Guaranteed results (when using our special rental or leasing program)
One of the most creative ways to grow cannabis at home is to train it as a true bonsai

The word "Bonsai" is a Japanese term that, translated word for word, means "planted in a pot". You can grow a cannabis plant to get any shape you can imagine. And if you do it right, you can train your plant to look like a real bonsai. In addition to being a fun way to grow your plant, this approach to growing marijuana has a number of advantages.

The benefits of Bonsai

It helps you grow plants that are small and easy to manage, but still produce a lot of buds, it can help keep your plant healthy and disease free. A good bonsai only takes 20x20cm. When one has the chance to encounter a remarkable phenotype over the course of selections, it becomes unthinkable not to keep in the form of a mother plant, to cultivate cuttings at leisure afterwards. A bonsai mother, if well-nourished, produces 10 30 cuttings every 14 day under a discharge lamp (HPS or MH) or all 20 days under neon lights. In a space of 1m20 on 60cm with 18 mothers under neon lights, we can get more than 9500 cuttings per year ...
We are not here talking about intensive production but it shows how flexible and efficient this system can be. It allows connoisseurs to keep a good selection of varieties in a relatively small space. These mother plants, if they enjoy ideal conditions, can then quickly invade the growing chamber. To preserve genetics without becoming cumbersome, the farmer will generally use bonsai.

In a space of 1m20 on 60cm with 18 mothers under neon lights, we can get more than 9500 cuttings per year ...
Make a mother from a cutting

Let's start by making a mother of a cutting, and that's simple. You often find that in every turn of cuttings, some stand better, are more solid and generally are prettier than the others. Take one or two of these cuttings, and especially not among the rejects. Keep in mind that this mother will provide you with cuttings, the best is needed. Put the cutting in a square pot of 6cm aside. These pots are more practical for trimming the roots as you will see later.

Let it grow for a few days so that it starts to make roots then trim it to get 3 or 4 side shoots. These small branches will form the main skeleton of your mother. Both of the top will grow faster and when it will be about 12 cm. Pinch or cut their ends just above a knot. This will allow the second pair to develop immediately, pinch it in the same way.
Grow a bonsai tree

[Image of a bonsai tree]

[YouTube Video: Cheese Cannabis Plants Update 3 - Amst...]
Step 1. Drill holes in the pot

Use your drill to make a series of holes in the top edge of the pot. Later, you will run your string or yarn through these holes, make sure that whatever you use can adapt to the holes you make.

Step 2. Form the formwork

The first step to really start making your baby cannabis (cutting) a bonsai tree is to use one or small wooden piles to form the trunk. This is to influence the trunk to get the shape you want. Press very gently on the small wooden pile in the ground, and along the trunk of your plant. You do not want to damage the roots, so go smoothly. Fold or wrap the "formwork" around your plant.

Step 3. Train the branches

As your cannabis plant continues to grow, you must continue to train the individual branches to get the shape of the bonsai you are considering. To do this, you will essentially use your string or yarn, as well as the holes you drilled in the top of the pot, to form the branches to grow in the direction you need them. Of course, it's your design. So, if you want a section to start getting larger, then do not let go of it as much. If you want a section to grow more horizontally than it is large, then that's where you'll have to attach it.
Step 4. Cut branches as needed

From time to time, you can also cut new growth to keep your plant in its bonsai form. When doing this, you must be very careful not to accidentally break a main branch. Only cutting branches that are new branches come out of a primary branch. And when you shoot, do it carefully and gently. We suggest using a pair of sharp scissors. This step will help keep your plant in the desired bonsai form. But the cut will also help improve air circulation. Improved airflow will reduce the chance of your plant reaching a moisture-rich, and therefore moldy, top, or that the soil is contaminated with an unwanted fungus.
Step 5. Harvest

Eventually, your marijuana bonsai will enter the flowering phase. Keep an eye on the hair trichomes covering the flowers of your plant. When the trichomes turn milky white, you can cut the flowers. Hang them upside down in a well-ventilated room to dry.

PH control of the water is crucial. Water without excess, at room temperature and monitor the condition of the leaves, to prevent your plant from any diseases.

When you can hang the stem with your fingers, it's time to heal the buds. To do this, place them in glass jars, seal the lid and place the jar in a dark, dry place. Check the jars daily. If it gets too wet, remove the lid. Then replace the cover. Once the buds are semi-dry but still sticky, you are ready to light up.
One can extend the life of a bonsai for decades, keeping it in its vegetative state: 6h of light (under neon) and 6 hours of darkness.

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As you enjoy the fruits of your cultivation work, sit back and enjoy the beauty of your bonsai. Bonsai is an ancient art!

Amazing Bonsai spiral shape (using a simple electric cable)
Turn-Key Cannabis Installations For Research, Testing, Processing, Hydroponic Systems, or Medical Cannabis Cooperatives

Single-Wide 40x8 Combo - Ideal for office space, hydroponics, and storage.

Single-Wide, 49x14 Combo - Office space, hydroponics, processing, and storage,

Double-Wide, 36x24 Combo - Ideal for research, testing, processing, and storage.

Double-Wide, 68x24 Combo - Large enough for all purposes, including medical cannabis

For more information on Turn-Key Cannabis installation, contact;
GlennTamura@hotmail.com - MedicalCannabisUSA.org
206-331-9296
All Standard Buildings Feature;

**Container offices** are ground-level, onsite solutions ideal for immediate needs. They’re ISO certified, equipped with heat and AC, and secure, as they have fully welded weather-resistant steel corrugated exteriors and window guards made of tamper-proof screws.

**Mobile office trailers** are cost-efficient, convenient answers to many temporary office needs. Offers a wide selection of sizes and floor plans, filling a variety of portable office space needs.

**Section modular offices** provide double the square footage of our standard mobile office trailers when you have a larger footprint to work with.

**Panelized & stackable offices** (up to three stories) are a great option for an even more sophisticated solution. These flexible, prewired offices feature panelized walls that allow for custom design configurations, helping customers overcome obstacles such as footprint constraints.

**Sales offices** provide an attractive and immediate onsite presence and can be tailored to your specific need.

Optional Add-ons for Medical Cannabis Installations

1) Building and Perimeter WIFI Hotspot Add-on - $
2) Four Camera Video Security System Add-on - $
3) Eight Camera Video Security System Add-on - $
4) One door Access Control System Add-on - $
5) Six Panel Solar Power System Add-on - $
6) Twelve Panel Solar Power System Add-on - $

Cutaway view of basic interior
Get started with some “Quick Start Guide Links”

Mobile Facility Leasing
http://MedicalCannabisUSA.org/BuildingOptions.pdf

Starting seedlings using Rapid Rooter Plugs
http://medicalcannabisusa.org/GV-RR-03.pdf

Tips for growing using Hydroponics by Home Hydro Systems
http://MedicalCannabisUSA.org/HomeHydroSystems.pdf

Hydroponics Guide by Origin Hydroponics
https://originhydroponics.com/hydroponics-guide/

Growing Indoor for Beginners by Greencamp
http://MedicalCannabisUSA.org/GreencampBonsai-IndoorGrow.pdf

A Quick Guide for Hydroponics by Kent Gruetzmacher
http://MedicalCannabisUSA.org/HydroponicSystems.pdf

How to Prune and trim by grow barato.net
http://medicalcannabisusa.org/WH-PruneTime.pdf

Perpetual Mother Plants for Cloning by Oldtimer1
http://MedicalCannabisUSA.org/Oldtimer1_v66.pdf

Creating Bonsai Mothers
http://MedicalCannabisUSA.org/THCFarmer_v65.pdf

Starting a Bonsai Tree by Lauren Kuntz
http://MedicalCannabisUSA.org/WikiHowBonsai.pdf

How to grow a Cannabis Bonsai by Marco Medic
http://MedicalCannabisUSA.org/GreencampBonsai.pdf

The Benefits of Bonsai
http://MedicalCannabisUSA.org/CultureAndGrow_v65.pdf

For more information - contact glenn.tamura@medicalcannabisusa.org