

Week One.

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Version 1.0

Rules!

Respect one another's personal opinions & views.



Rules!

No smoking on or around the premises,
this includes medicating.



Rules!

No showing up to class under the influence.



Rules!

No weapons.



Who is Steve DeAngelo?



A Look Inside Harborside Health

The #1 Rule...

The #1 Rule...

Network, network, NETWORK!

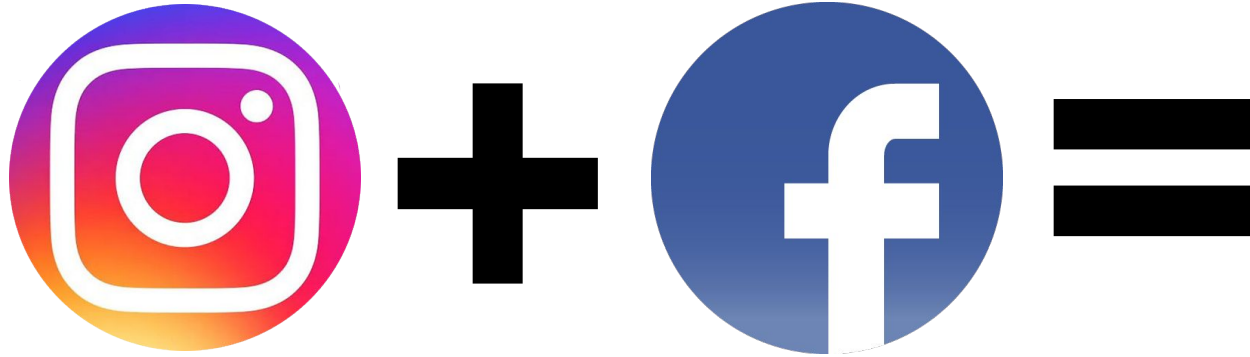


Jot It Down!

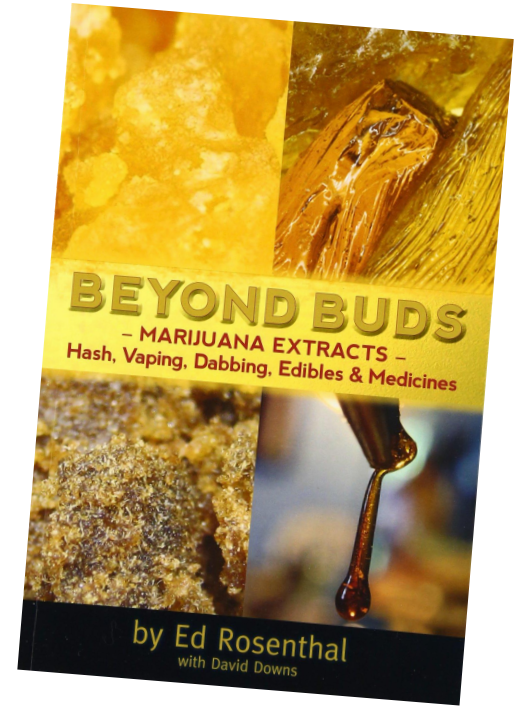
Please hold ALL questions until the end of class.



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Federal vs. State Law

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Caregiver Version 1.0

Federal Law - Possession

| Offense | Penalty | Incarceration | Max. Fine |
|---------------------------------|------------------------------|----------------------|------------------|
| Any amount (first offense) | Misdemeanor | 1 year | \$1,000 |
| Any amount (second offense) | Misdemeanor | 15 days* - 2 years | \$2,500 |
| Any amount (subsequent offense) | Misdemeanor or felony | 90 days* - 3 years | \$5,000 |

* Mandatory minimum sentence



Federal Law - Sale

| Offense | Penalty | Incarceration | Max. Fine |
|------------------------------|----------------|----------------------|------------------|
| Less than 50 kg (+/- 100lbs) | Felony | 5 years | \$250,000 |
| 50 - 99 kg | Felony | 20 years | \$1,000,000 |
| 100 - 999 kg | Felony | 5 - 40 years | \$500,000 |
| 1000 kg or more | Felony | 10 years - life | \$1,000,000 |

To a minor or within 1000 ft of a school, or other specified areas carries a double penalty.
Gift of small amount -- see Possession



Federal Law - Cultivation

| Offense | Penalty | Incarceration | Max. Fine |
|---------------------|----------------|----------------------|------------------|
| Less than 50 plants | Felony | 5 years | \$250,000 |
| 50 - 99 plants | Felony | 20 years | \$1,000,000 |
| 100 - 999 plants | Felony | 5 - 40 years | \$500,000 |
| 1000 plants or more | Felony | 10 years - life | \$1,000,000 |

To a minor or within 1000 ft of a school, or other specified areas carries a double penalty.
Gift of small amount -- see Possession



Federal Law - Paraphernalia

| Offense | Penalty | Incarceration | Max. Fine |
|-----------------------|----------------|----------------------|------------------|
| Sale of paraphernalia | Felony | 3 years | N/A |

To a minor or within 1000 ft of a school, or other specified areas carries a double penalty.
Gift of small amount -- see Possession



Dispensary Raids...



Thanks to the Cole Memo...



Prosecutors and Law Enforcements Old Focus...

- Preventing the distribution of marijuana to minors;
- Preventing revenue from the sale of marijuana from going to criminal enterprises, gangs and cartels;
- Preventing the diversion of marijuana from states where it is legal under state law in some form to other states;
- Preventing state-authorized marijuana activity from being used as a cover or pretext for the trafficking of other illegal drugs or other illegal activity;



Prosecutors and Law Enforcements Old Focus...

- Preventing violence and the use of firearms in the cultivation and distribution of marijuana;
- Preventing drugged driving and the exacerbation of other adverse public health consequences associated with marijuana use;
- Preventing the growing of marijuana on public lands and the attendant public safety and environmental dangers posed by marijuana production on public lands; and
- Preventing marijuana possession or use on federal property.



What about Jeff Session...



=



Prosecutors and Law Enforcements New Focus...

- State Prosecutors have the final say in regards to prosecuting offenders...



Vertical Licensing in Florida

First Round Requirements and Cost to open a Dispensary in Florida

- \$650,000 Non-Refundable Application Fee
- Established Nursery for 30+ years
- Medical Practitioner on your Board (Must be MD)
- \$5,000,000 Bond (Basically Insurance)

Fun Fact: Some of the first license holders possessed a billion dollars in the bank.



Vertical Licensing in Florida

Next Round of Requirements and Cost to open a Dispensary in Florida

- \$65,000 Non-Refundable Application Fee
- Established Nursery for 5 years
- Medical Practitioner on your Board (Must be MD)
- \$1,000,000 Bond (Basically Insurance)

Fun Fact: Citrus farmers will receive bonus points this upcoming round.



Florida Law - Possession

| Offense | Penalty | Incarceration | Max. Fine |
|---|----------------|----------------------|------------------|
| 20 grams or less | Misdemeanor | 1 year | \$1,000 |
| More than 20 grams - 25 lbs | Felony | 5 years | \$5,000 |
| More than 25 – less than 2000 lbs | Felony | 3* - 15 year | \$25,000 |
| 2000 – less than 10,000 lbs | Felony | 7* - 30 years | \$50,000 |
| 10,000 lbs or more | Felony | 15* - 30 years | \$200,000 |
| Less than 25 plants | Felony | 5 years | \$5,000 |
| 25 - 300 plants | Felony | 15 years | \$10,000 |
| 300 - 2,000 plants | Felony | 3* - 15 years | \$25,000 |
| 2000 - 10,000 plants | Felony | 7* - 30 years | \$50,000 |
| Within 1000 feet of a school, college, park, or other specified areas | Felony | 15 years | \$10,000 |

Florida Law - Sale

| Offense | Penalty | Incarceration | Max. Fine |
|---|----------------|----------------------|------------------|
| 20 grams or less without remuneration | Misdemeanor | 1 year | \$1,000 |
| 25 lbs or less | Felony | 5 years | \$5,000 |
| More than 25 – less than 2000 lbs (or 300 - 2,000 plants) | Felony | 3* - 15 years | \$25,000 |
| 2000 – less than 10,000 lbs (or 2000 - 10,000 plants) | Felony | 7* - 30 years | \$50,000 |
| 10,000 lbs or more | Felony | 15* - 30 years | \$200,000 |
| Within 1000 feet of a school, college, park, or other specified areas | Felony | 15 years | \$10,000 |

* Mandatory minimum sentence

Florida Law - Hash & Concentrates

| Offense | Penalty | Incarceration | Max. Fine |
|---------------------------------------|----------------|----------------------|------------------|
| Possession of hashish or concentrates | Felony | 5 years | \$5,000 |
| Selling, manufacturing or delivering | Felony | 5 years | \$5,000 |



Medical Marijuana Cards

According to Florida's Amendment 2, an expanded list of diagnosable conditions may be eligible for a medical marijuana recommendation, including:

- Cancer
- Epilepsy
- Glaucoma
- HIV/AIDS
- PTSD
- ALS
- Crohn's Disease
- Parkinson's Disease
- Multiple Sclerosis



Medical Marijuana Cards

Additionally, Amendment 2 allows physicians to certify patients for a medical cannabis recommendation after diagnosing them with "other debilitating medical conditions of the same kind or class or comparable to those enumerated." When debilitating, these may include:

- Anxiety
- Anorexia
- Arthritis
- Back Pain
- Cachexia (Wasting Syndrome)
- Cyclical Vomiting Syndrome
- Diabetes
- Hepatitis C
- Irritable Bowel Syndrome (with chronic abdominal pain)
- Lyme Disease
- Migraine
- Muscle Spasms
- Muscular Dystrophy
- Severe & Chronic Pain
- Severe Nausea
- Sickle Cell Anemia
- Spasticity
- Any Terminal Condition
- Other Condition of Similar Kind Or Class



Medical Marijuana Cards

Cost: \$100 - \$375

Department of Health



Florida Law - Paraphernalia

| Offense | Penalty | Incarceration | Max. Fine |
|-----------------------|----------------|----------------------|------------------|
| Sale of paraphernalia | Felony | 3 years | N/A |

To a minor or within 1000 ft of a school, or other specified areas carries a double penalty.
Gift of small amount -- see Possession



How to prepare your water.

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What You Will Need...

1. 5 Gallon Bucket
2. General Hydroponics PH Kit
3. Digital PH Meter
4. Air Stone
5. Air Pump
6. Airlines
7. Tap Water



First, fill your 5 gallon bucket with tap water.



Next, we have to check the waters PH level.



Stick the sensor side of your Jellas PH meter in the water...

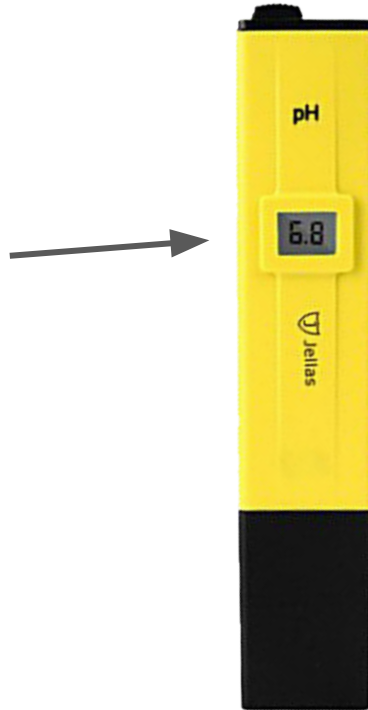


Leave in water for minimum of 30 seconds...



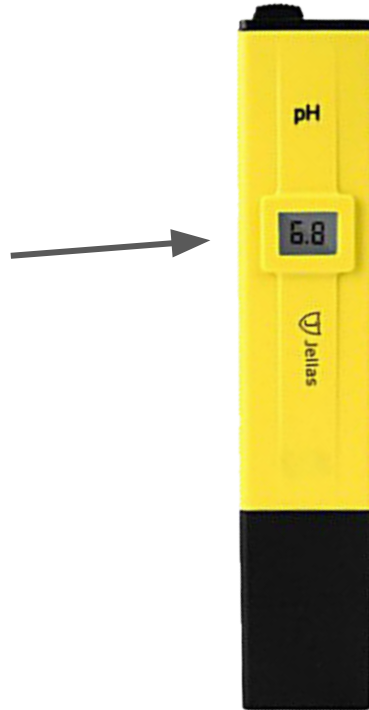
How to check the PH level...

NOTE: You will be able to monitor your PH level by reading the LED screen on your Jellas device



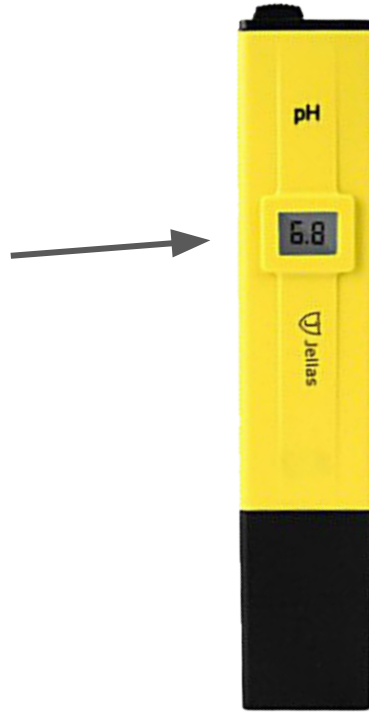
We are looking for 6.5 - 7.5 PH level...

NOTE: You will be able to monitor your PH level by reading the LED screen on your Jellas device



7.0 PH being our sweet spot...

NOTE: You will be able to monitor your PH level by reading the LED screen on your Jellas device



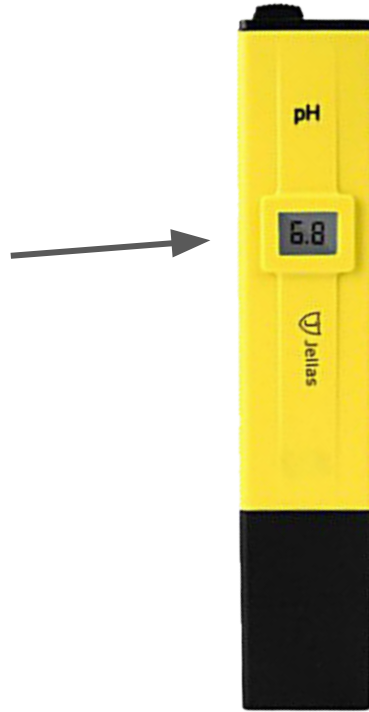
Use BASE to RAISE, ACID to LOWER PH...

NOTE: You can not mess this process up, start by adding just a cap full of PH UP or PH DOWN to your 5 gallon bucket to start and make small adjustments until you reach desired PH level.



Check your PH level after adding PH UP or DOWN...

NOTE: Be sure to stir the water...



After you reach 7.0 PH level...



We need to work on getting rid of the Chlorine...



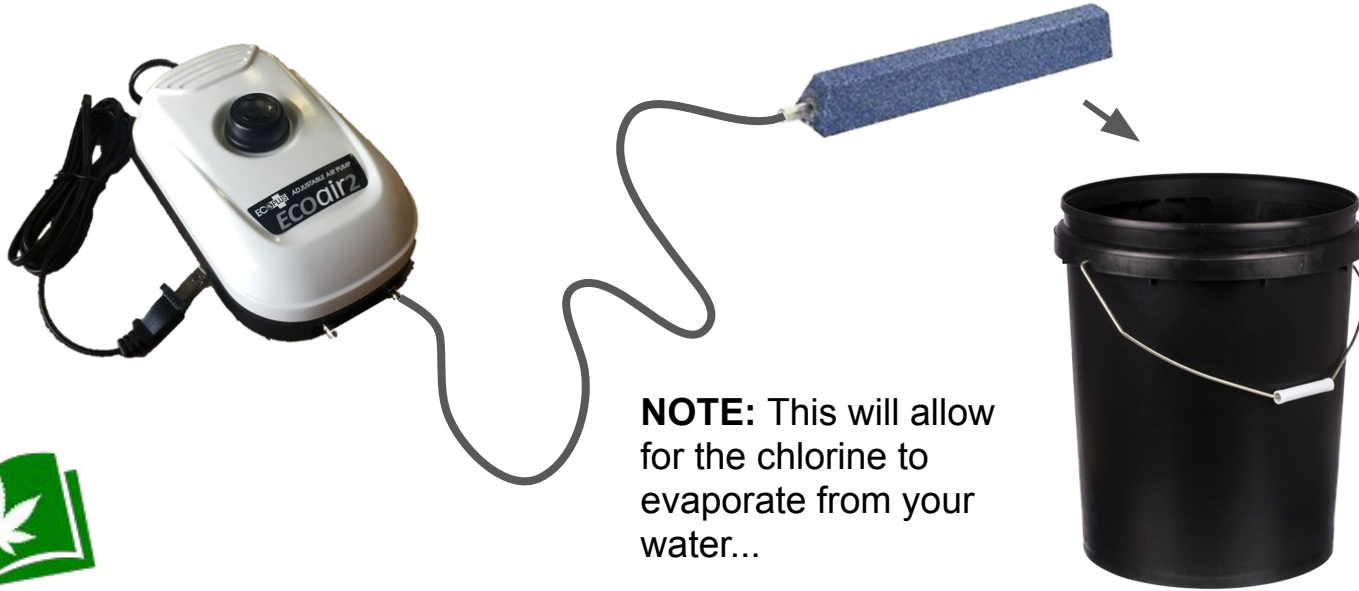
Time to pull out the Air Pump and Air stone...



Use airline to attach airstone and air pump together...



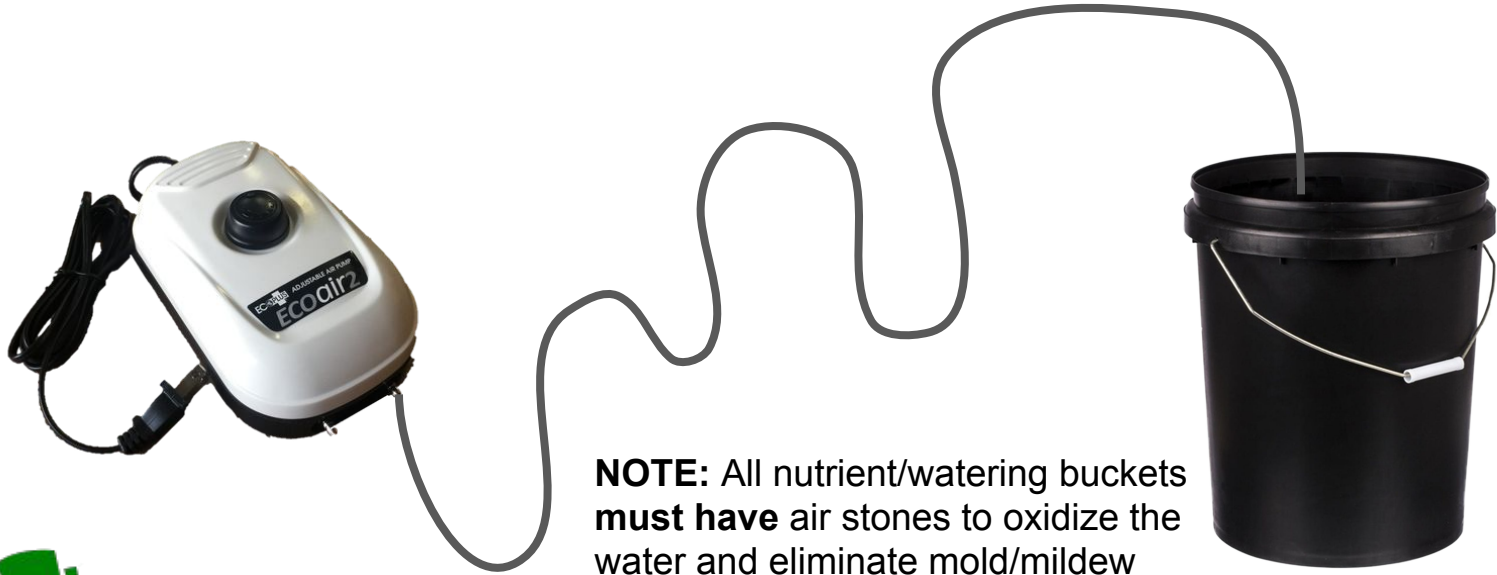
Place airstone in the bottom of your 5 gallon (PH balanced) water bucket for 24-48 hours with no lid...



NOTE: This will allow for the chlorine to evaporate from your water...



From here on out, **no** water shall remain **stagnant** in your garden...



NOTE: All nutrient/watering buckets **must have** air stones to oxidize the water and eliminate mold/mildew possibilities...



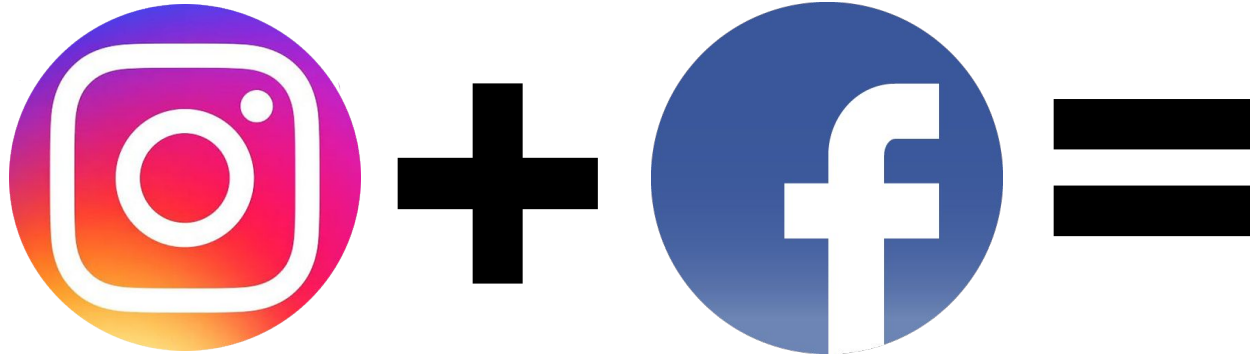
Let's setup your irrigation.

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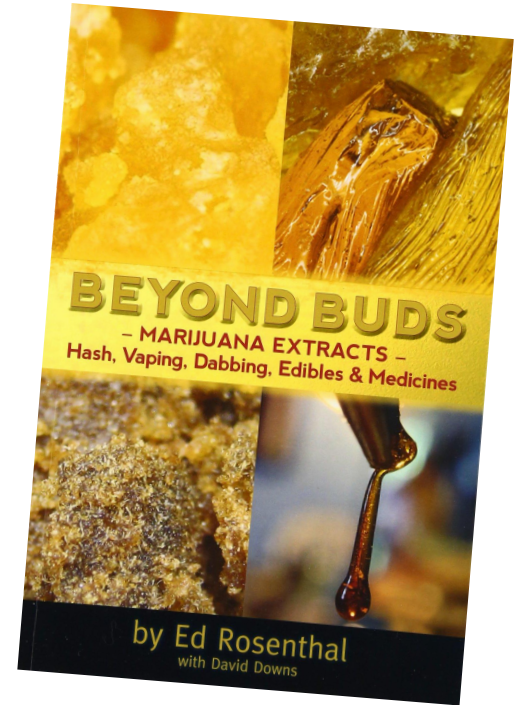


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Follow & Tag Us to Win...

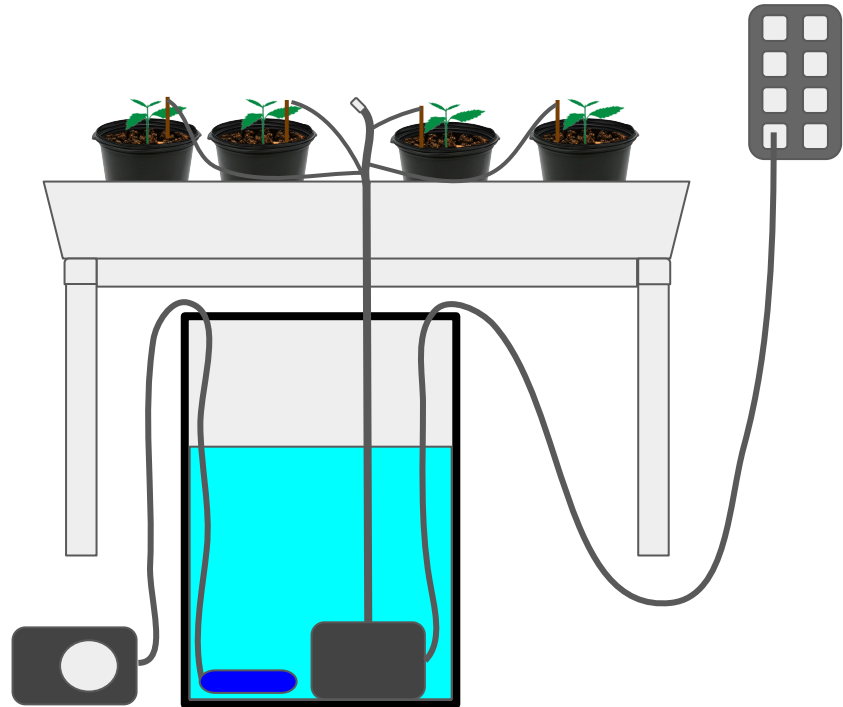


@learnsativa



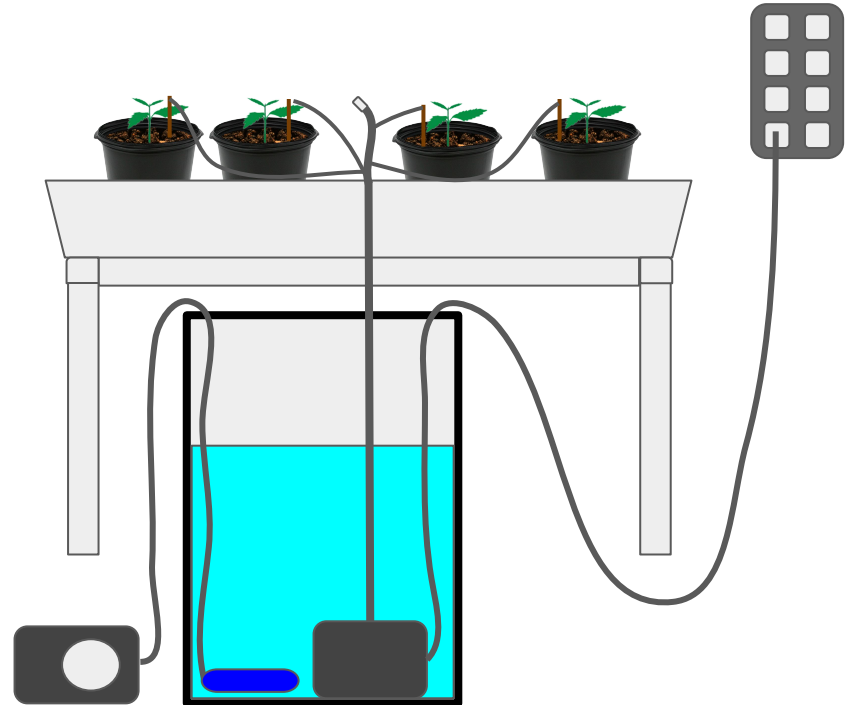
It's time to learn how to build a “drip fed system” to water your garden...

NOTE: A drip fed irrigation system is pretty much the industry standard when working with soil...



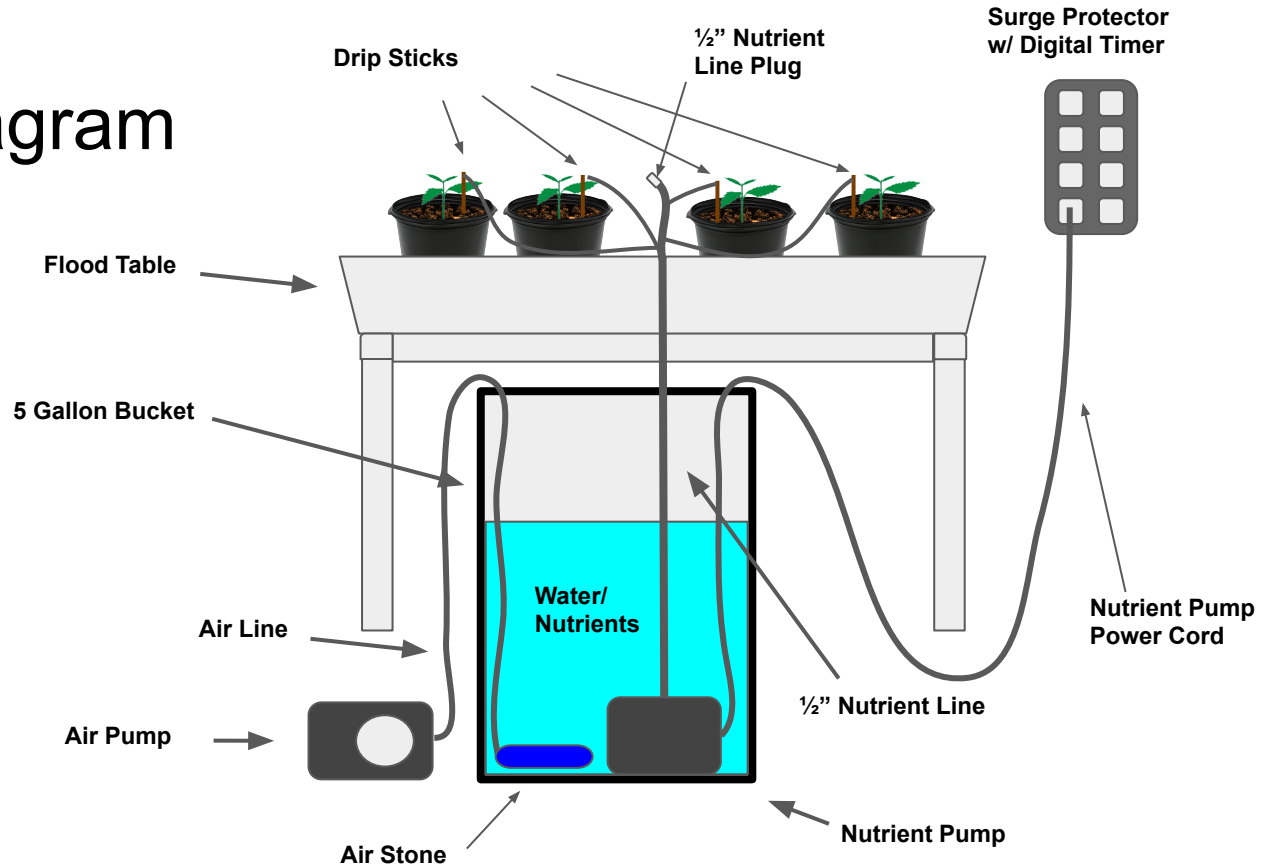
Drip Fed Irrigation System Parts List...

1. **Nutrient Pump (Water Pump)** \$10-15
2. **Air Pump** \$10-15
3. **Air Stone** \$2
4. **Air Line** \$10 a roll
5. **1/2" Nutrient Line** \$10-20 a roll
6. **1/8" Drip Line** \$10 a roll
7. **Drip Sticks aka "Dripper Stake"** \$1-2 each
8. **1/2" Nutrient Line Plug** \$0.80
9. **Digital Timer** \$15-20
10. **Surge Protector** \$10-15
11. **Flood Table** \$150-200
12. **1/2" PVC Pipe and Elbows** \$20-30 total
13. **5 Gallon Bucket** \$5

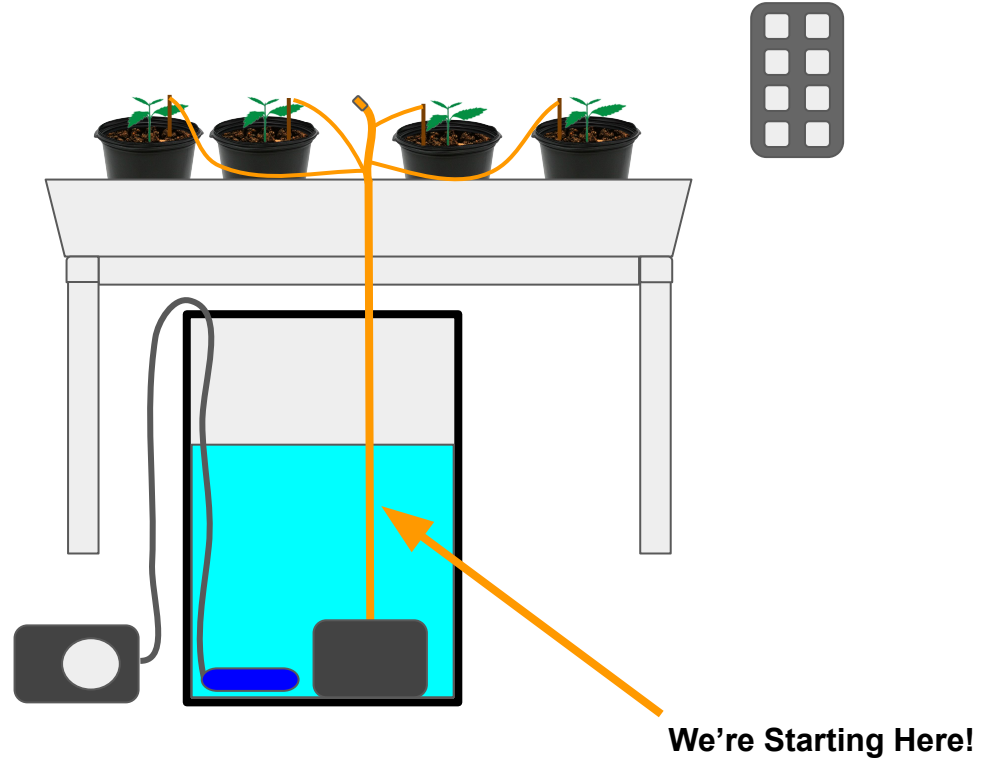


Drip Fed Irrigation Diagram

Draw this Image...

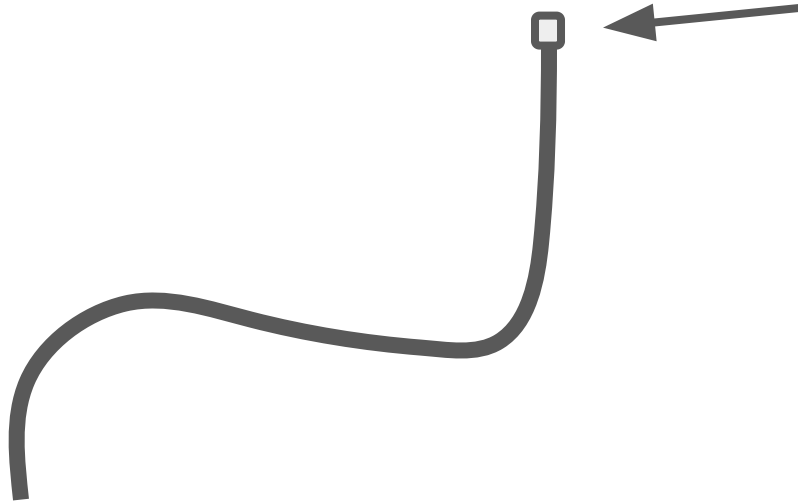


Let's start with the **nutrient line**...



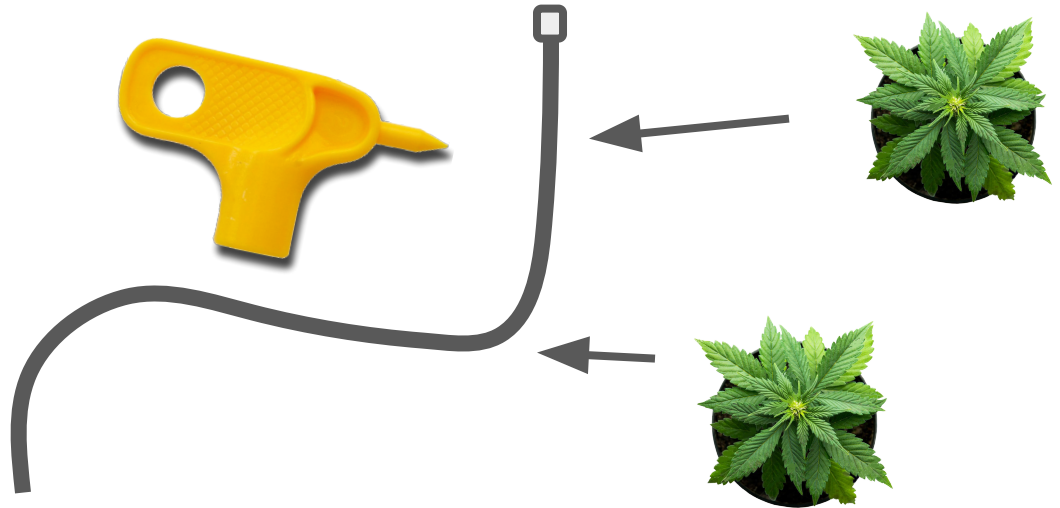
Nutrient Line Diagram

NOTE: Place nutrient plug in the end of your 1/2" nutrient line (towards the garden end of your line).



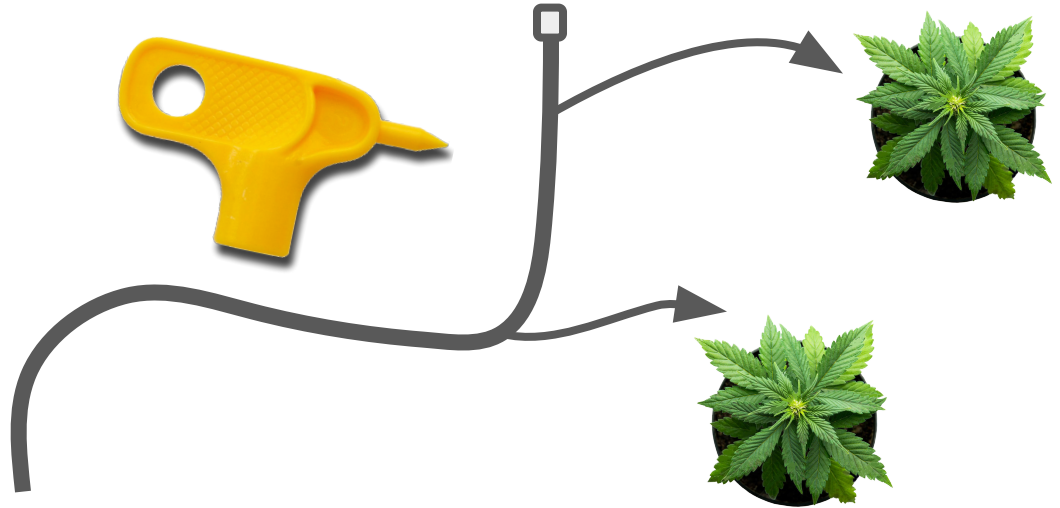
Nutrient Line Diagram

NOTE: Use a drip line key punch to poke a hole in the main $\frac{1}{2}$ " nutrient line near the site of where you expect your plant to reside in order to install your $\frac{1}{8}$ " drip lines...



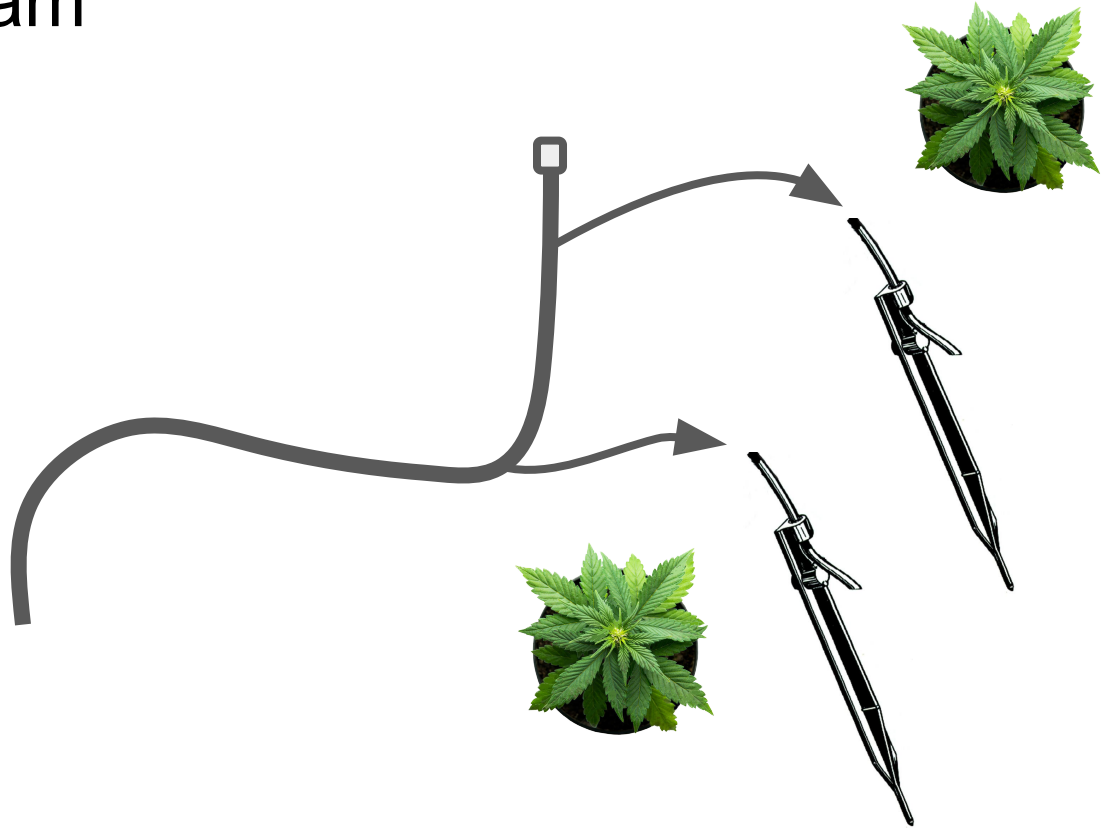
Nutrient Line Diagram

NOTE: Those 1/8" drip lines will be directed to your plants and later kept in place using a drip stick aka "dripper stake"...



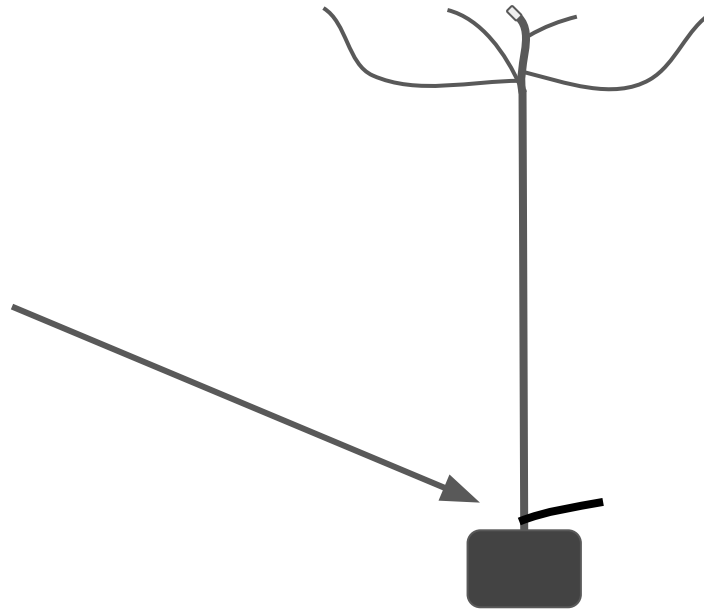
Nutrient Line Diagram

NOTE: Those 1/8" drip lines will be directed to your plants and later kept in place using a drip stick aka "dripper stake"...

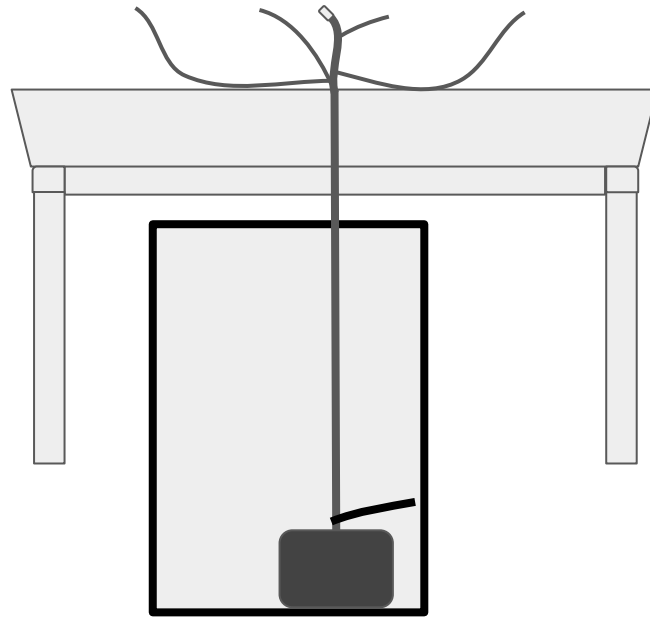


Drip Fed Irrigation Diagram

NOTE: Use a zip tie to secure your 1/2" nutrient line to the nutrient pump as glue can potentially contaminate or harm your nutrient solutions...

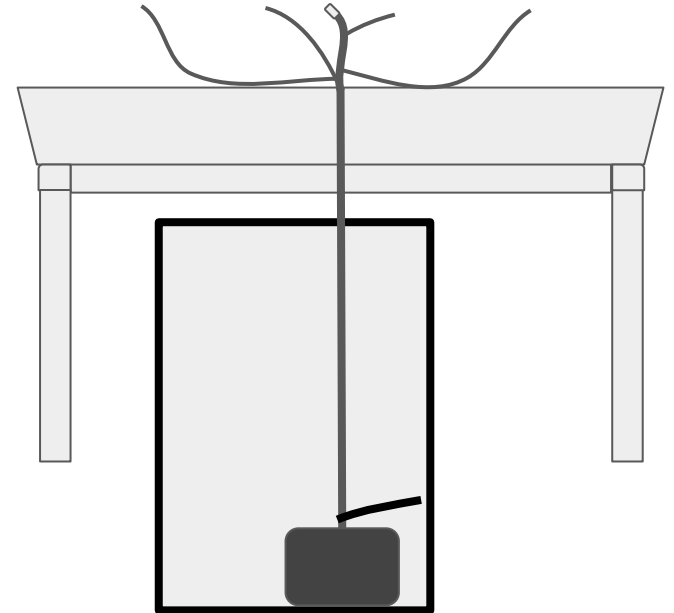
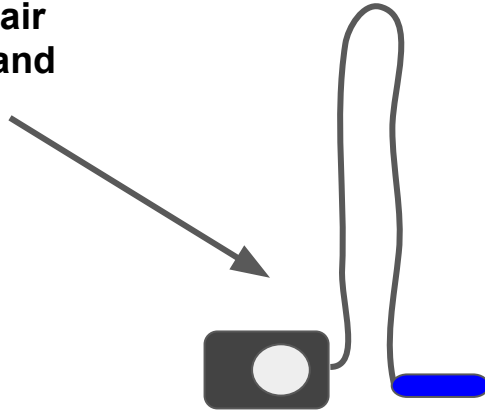


Place your nutrient pump into the 5 gallon bucket...



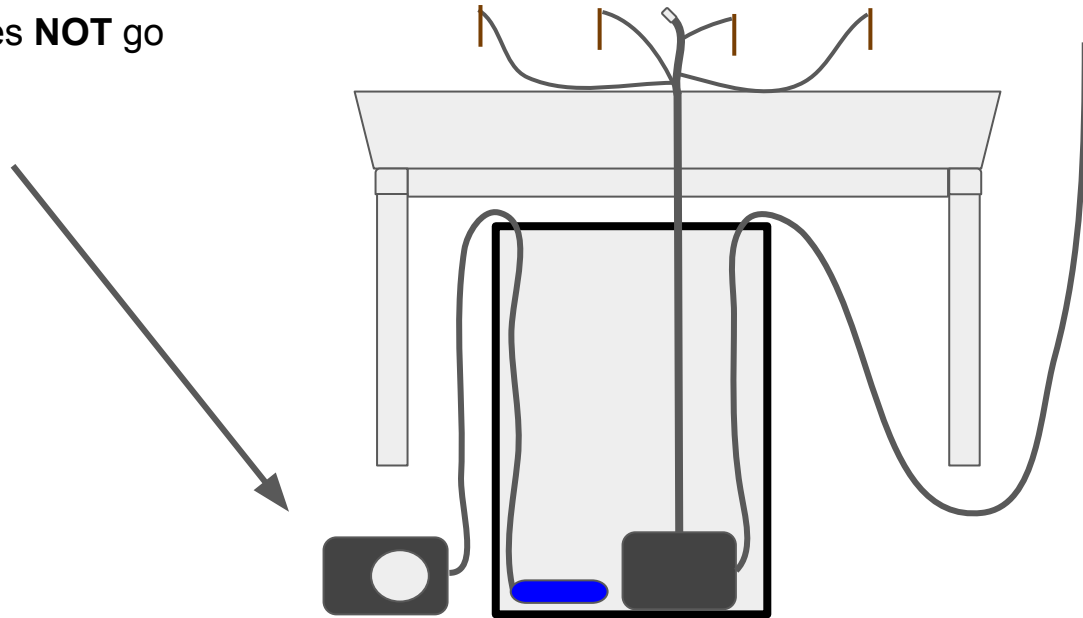
It's time to add your air line system...

NOTE: Connect your air line to your airstone and air pump...



Now place your air stone in the 5 gallon bucket

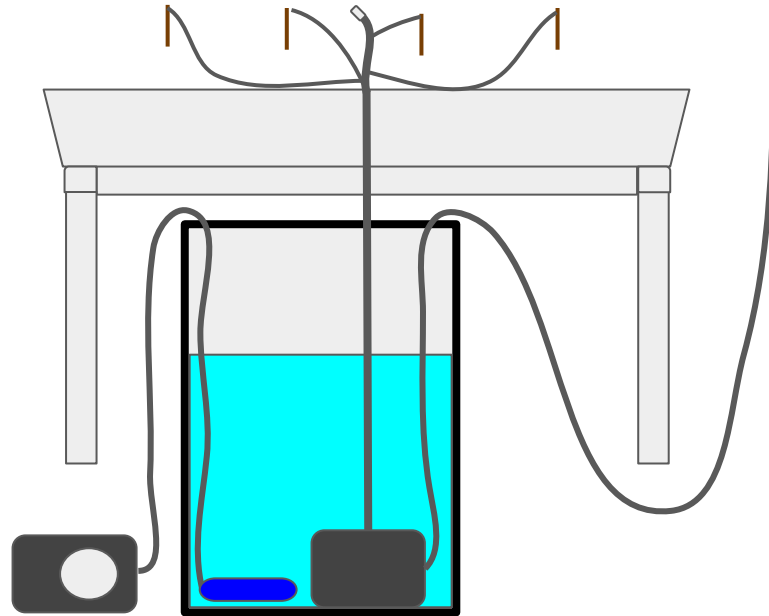
NOTE: The air pump does **NOT** go into the 5 gallon bucket...



Fill your 5 gallon bucket with ph (7.0) water...

NOTE: Your air pump will always be running, however your nutrient pump will go on a timer...

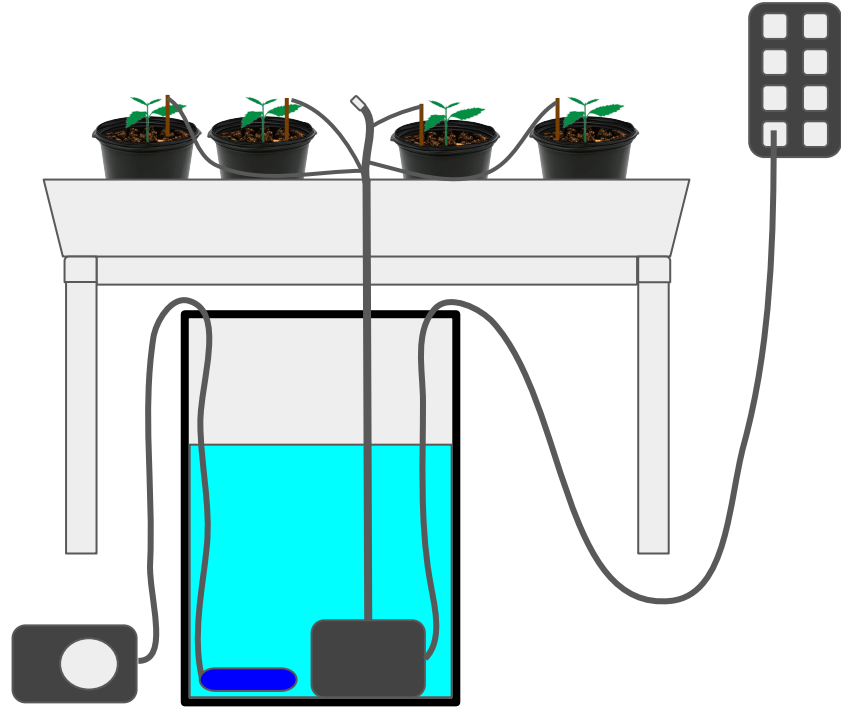
More on that later...



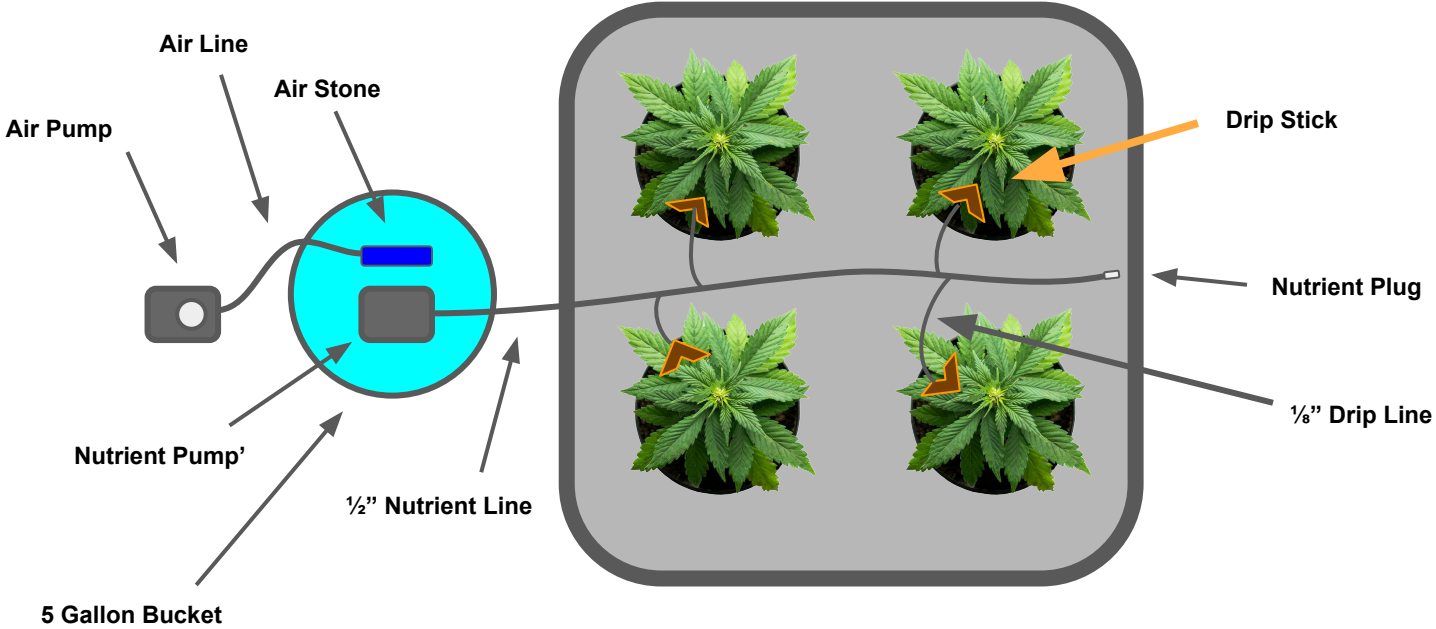
What plugs in where?

NOTE: Your air pump will always be running, however your nutrient pump will go on a timer...

More on that later...



Drip Fed Irrigation Diagram (Top View)



A Walk in the Garden...

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Let's start with the seed...

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Caregiver Version 1.0

What You Will Need...

1. Seeds
2. Glass Jar
3. PH Balanced Water (7.0) Room Temp
4. Paper Towel (unscented, unbleached)
5. Large Ceramic Plate
6. Spray Bottle



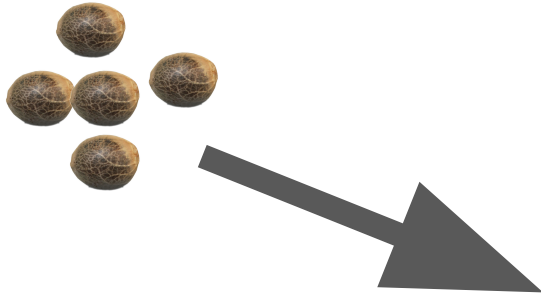
Pick your seed...



Fill glass jar with PH balanced water at **room temperature.**



Place Seeds in PH Balanced Water



Notice how the seeds **float on top** of the water...



Place glass jar in a dark place, preferably room temperature place.

NOTE: Kitchen cabinets are a great place to store mason jar while germinating



Every 2 hours for 18 hours - Tap seeds to the point of submersion...



Goal: Get seeds to sink to bottom of mason jar.



Every 2 hours for 18 hours - Tap seeds to the point of submersion...



NOTE: It's ok if some of the seeds do not sink to the bottom...

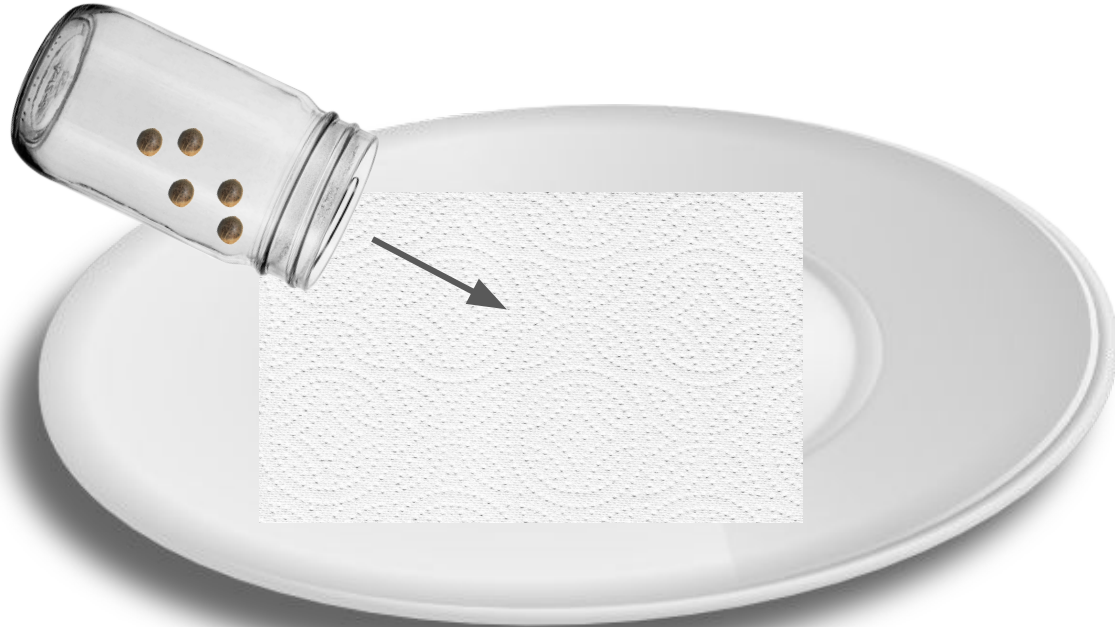


Place sheet of paper towel on large ceramic plate

NOTE: Skip to “root riot” section for starting seedlings used with hydroponic systems...



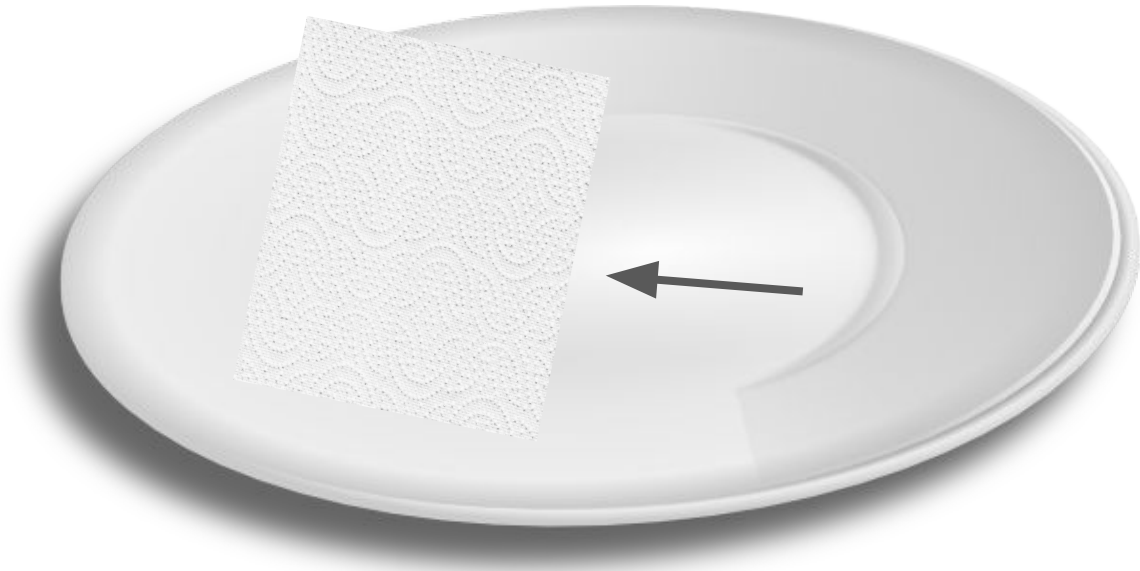
Carefully pour glass jar contents directly onto paper towel...



Spread out seeds on paper towel...



Carefully fold the paper towel over...



Place in dark, humid place (3-4 days)

NOTE: Kitchen cabinets are a great place to store plate/napkin while germinating



Keep paper towel moist, **but not soaked...**

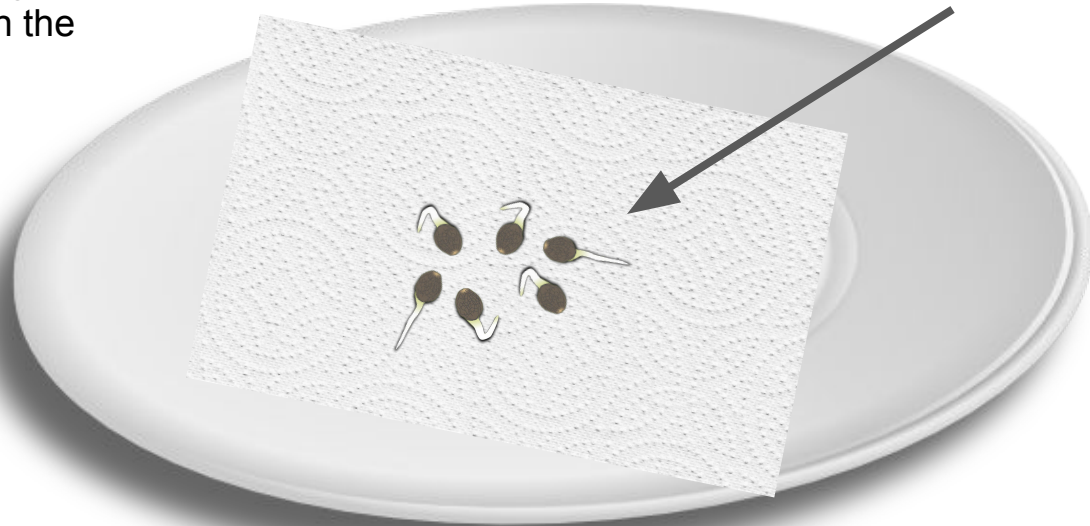
NOTE: Use spray bottle with PH balanced water to keep paper towel moist.



Periodically unfold your paper towel and check for signs of the “Taproot” ...

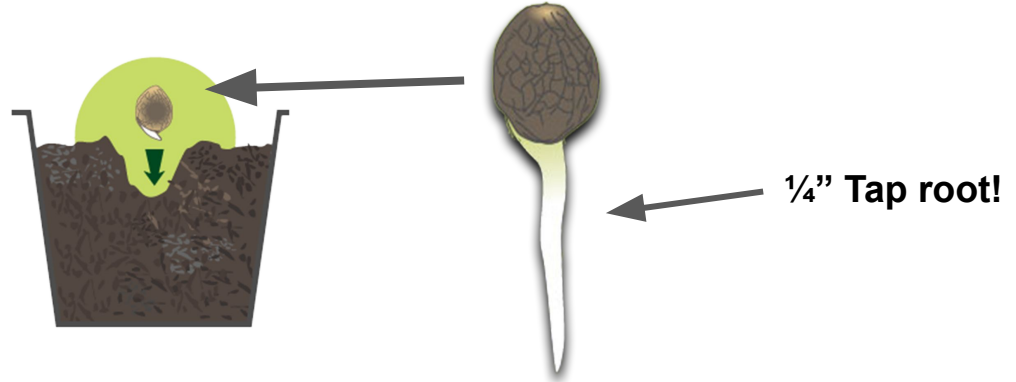
NOTE: We are looking for a ¼” tap root or “tail” on the seed...

NOTE: These seeds are ready to plant!



Place seedling $\frac{1}{2}$ " deep in 8oz soil pot
(tap root facing down!)

NOTE: We prefer Fox Farm
ocean forest soil...



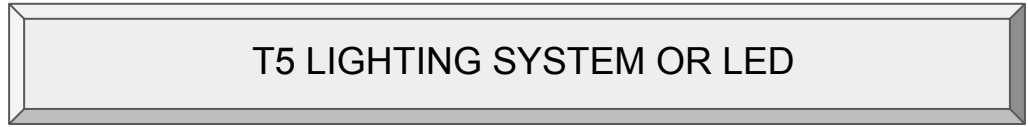
Germination Lab

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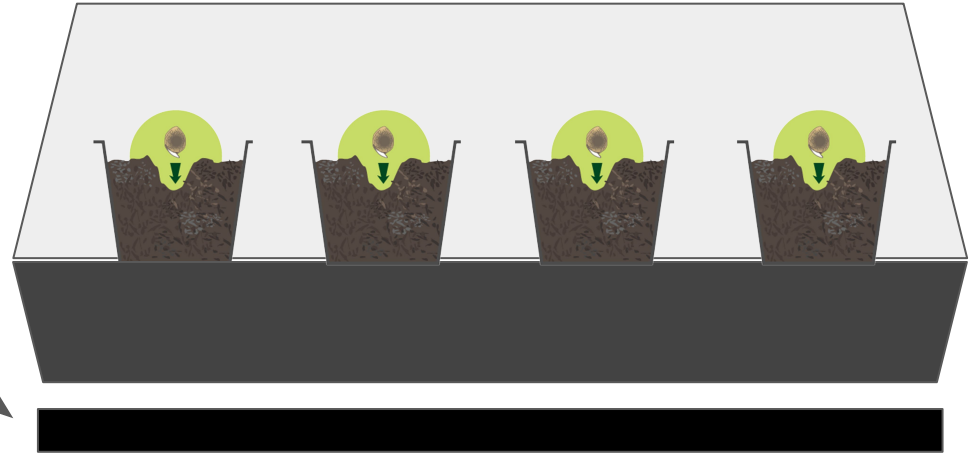
Ideal equipment and pricing for seedling environment...

T5 Lighting System
\$100-150



T5 LIGHTING SYSTEM OR LED

Humidity Dome Kit
\$15-20



Seedling Heating Pad
\$10-15



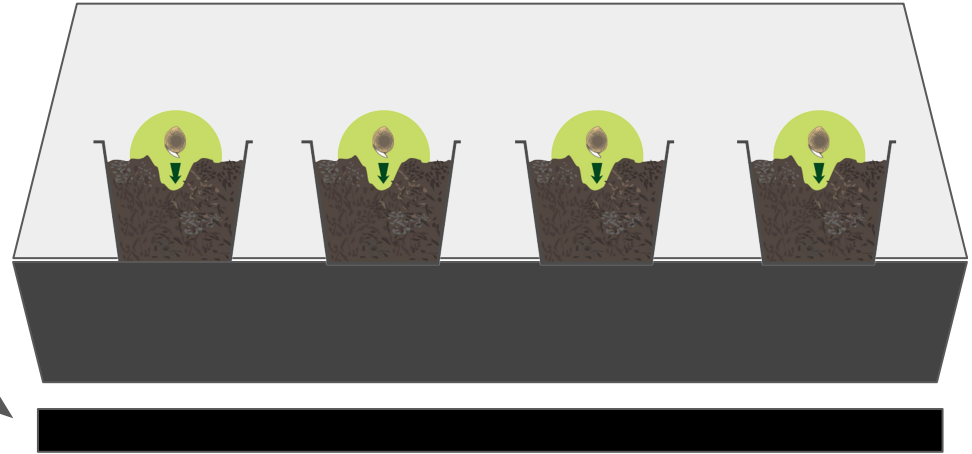
Place 8oz pot containing seedling in humidity dome.

T5 LIGHTING SYSTEM OR LED

Humidity Level: 70%
Temperature: 68-77°F

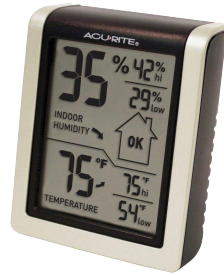


Seedling Heating Pad

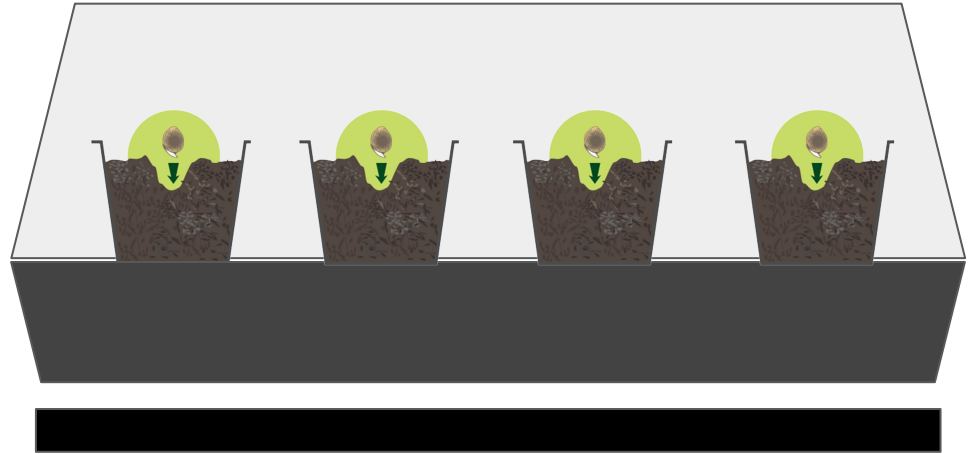


Watch your **temperature** and **humidity** closely

NOTE: Consider using a digital humidity reader to assist with gauging temperature and humidity levels

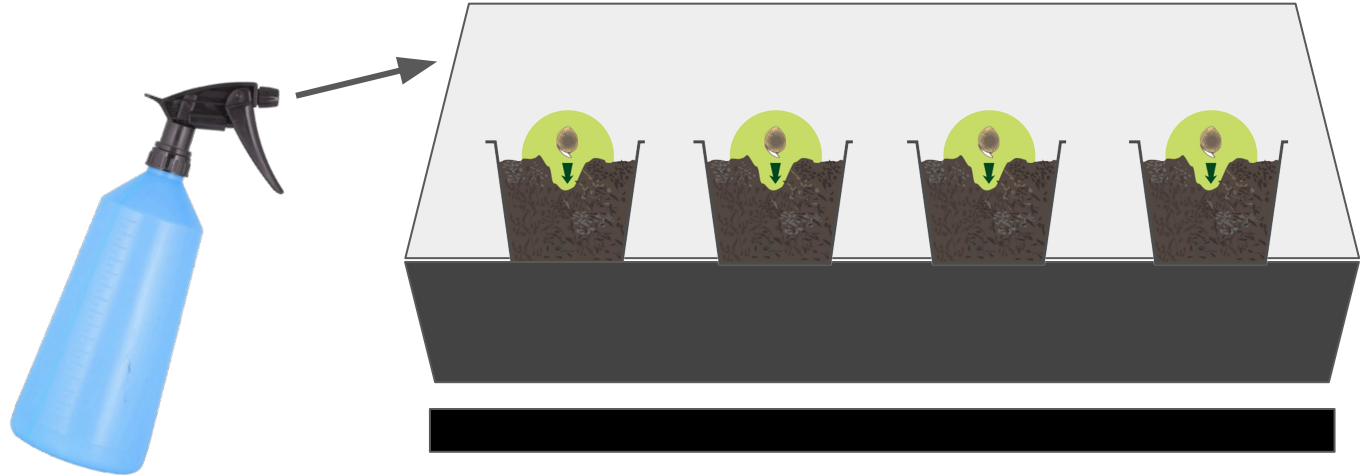
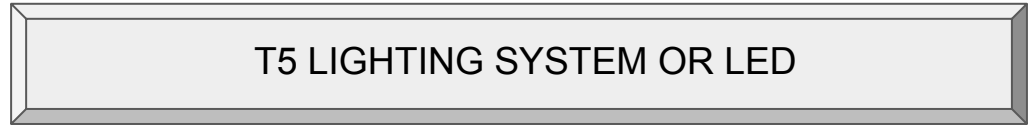


T5 LIGHTING SYSTEM OR LED



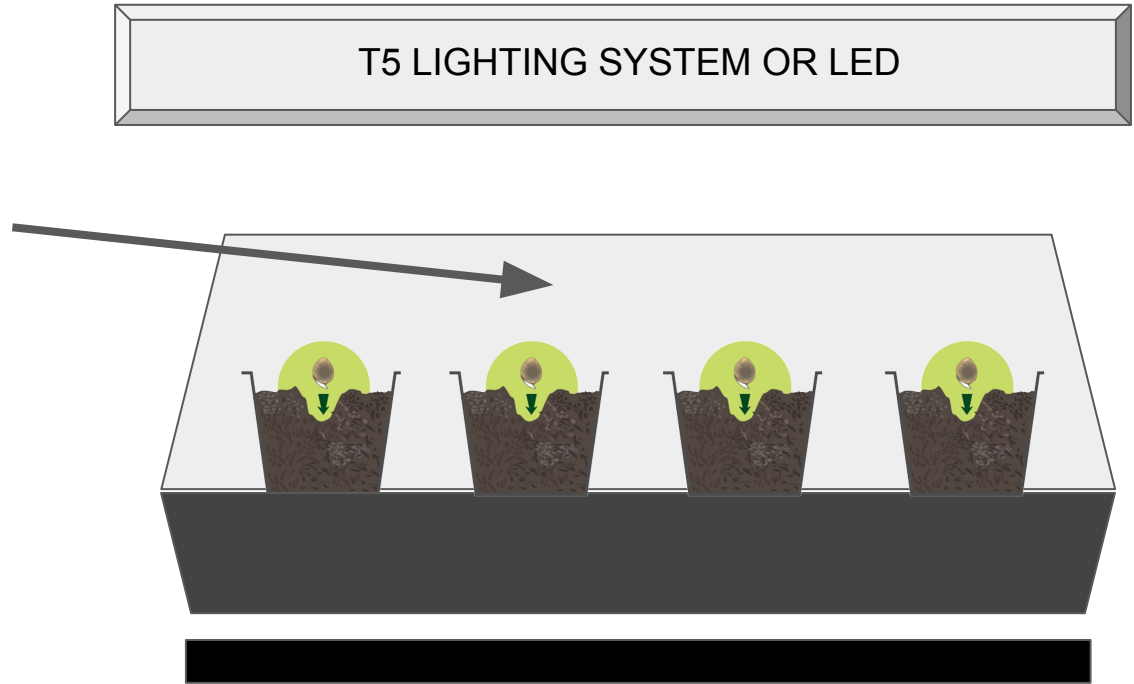
Watch your **temperature** and **humidity** closely

NOTE: You can spray the inside of the humidity dome lid to assist in raising the humidity level.



Watch your **temperature** and **humidity** closely

NOTE: Closing all the ports/vents on your humidity dome lid will also cause a higher level of humidity while opening the ports/vents will cause less...



Keep in humidity dome for 1 - 2 weeks

NOTE: Lighting schedule will be set to...

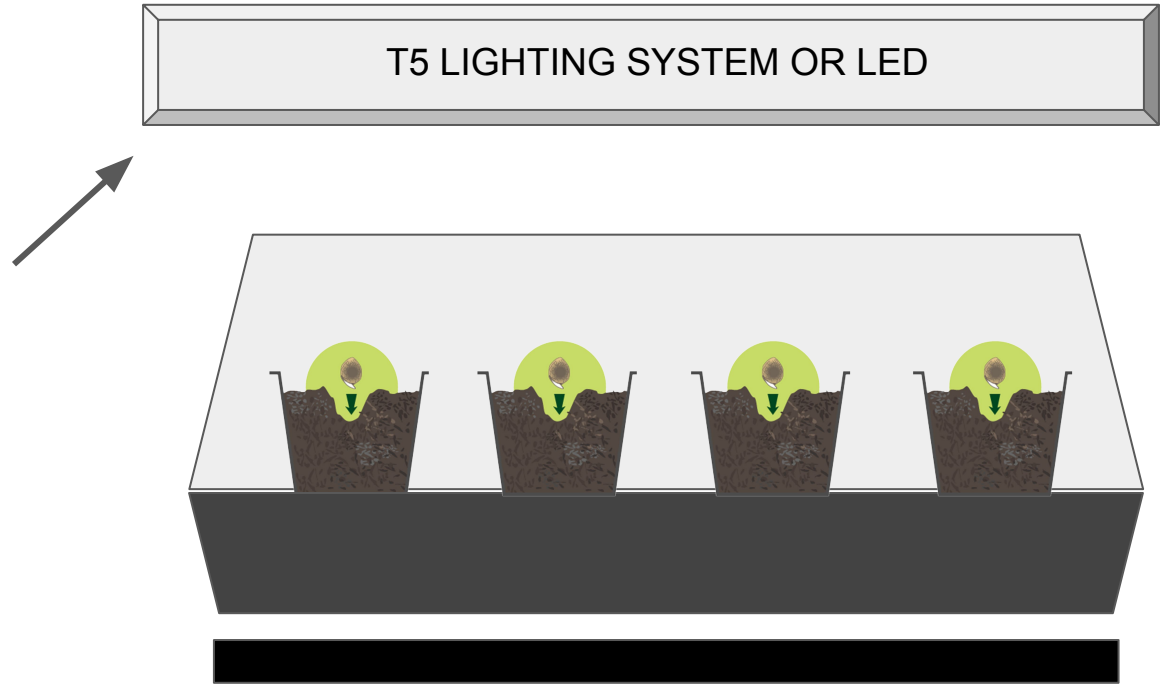
ON: 18 Hours

Example: 7:00am - 1:00am

OFF: 6 Hours

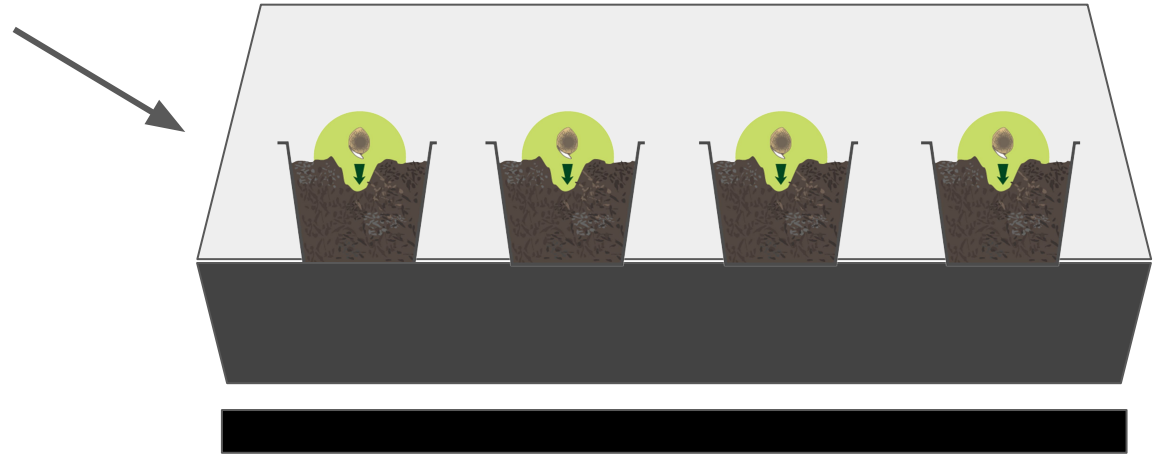
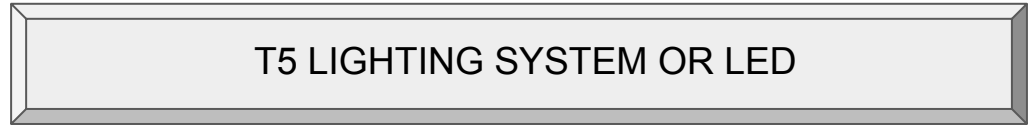
Example: 1:00am - 7:00am

See “Timers Section” for more information on automating your grow...



Keep soil moist, **not soaked**...

NOTE: Water around the seed once a day, just enough to keep the soil moist, not soaked... You do not want to drown the seed.



Keep soil moist, **not soaked**...

NOTE: Water around the seed **once a day**, if not every other day - just enough to keep the soil moist, not soaked... You do not want to drown the seed.



Any Questions?

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Week One: *Homework*

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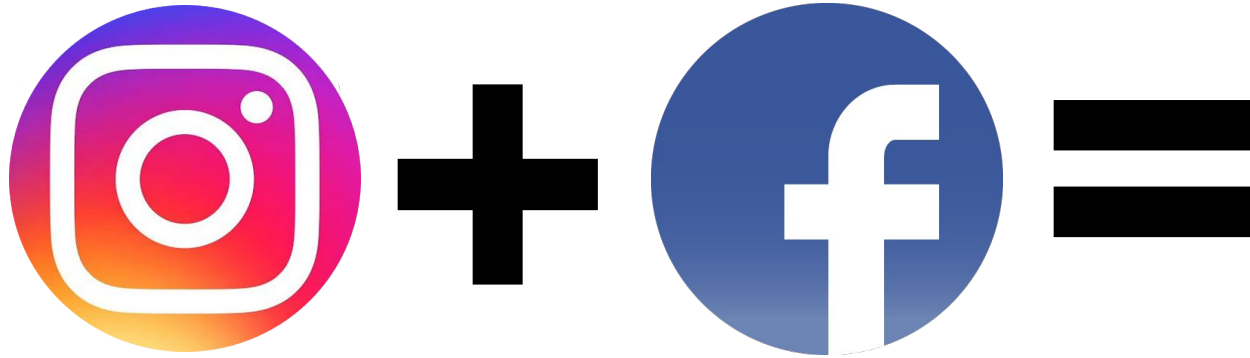
Let's take a look inside the Training Portal...

- Week One: Homework

Be sure to fill out the login form if you have not yet entered the training portal.



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