

RDWC Mother Plant and High Pressure Aeroponic Clone Production



Reduce Input Costs And Save Time

Is Your Facility Propagation Program up to Par?

It's widely recognized that a well operated propagation program is the cornerstone of any successful cultivation facility. Unfortunately, many facilities struggle to produce the abundance of healthy clones necessary to populate their flower rooms.

Fortunately, there's a solution to optimizing propagation and ensuring healthy rooted cuttings are readily available. By utilizing hydroponic recirculating water culture methods to produce vigorous mothers paired with aeroponic cloning, commercial cultivators are improving productivity and increasing their profits.

RDWC Mothers & Aeroponic Cloning:

- Ease of operation and facility integration.
- Fewer variables caused by inconsistent growing mediums.
- Predictable processes lead to repeatable results.
- Cleaner production and better plant flow.
- Lower cost of inputs, saving on substrate, time and waste.
- Optimal plant health results in increased disease resistance.

RDWC Grown Mothers:

- RDWC mother plants proliferate into more cuttings per cycle vs other methods.
- Healthy, turgid hydroponic mothers result in better rooting cuttings.
- Hydroponic mothers reveg faster, producing more cuttings.
- Larger vascular development results in superior plant health.

Aero Bare Root Cuttings:

- Healthy aero clones result in more productive crops.
- Faster rooting clones produce healthier plants.
- Bareroot cuttings transplant directly into substrate.
- Cleaner production better transition to flower.
- Eliminates the cost associated with rockwool rooting cubes.



Reduced Transplant Shock/Delay

Less transplant steps,
fewer touches



More Efficient Plant Flows

Simplified Process,
Better Results



Reduced Labor

Fewer transplanting steps
make work easier



Fewer Mothers Needed

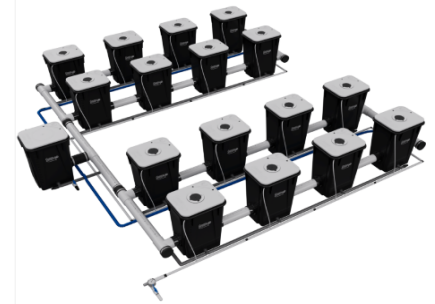
More Cuttings
More Profits

Mother Plants



Every 2-3 Weeks

Robust donor plants are grown in Under Current XL13 or XXL13 systems. Once established 50-100+ cuttings can be taken from each mother plant.



Clone/Pre-Veg



~2-3 Weeks

Fresh cuttings populate High-Pressure Aeroponic Cloning (HPA) systems and start producing rooted cuttings in 14-21 days (105 clones per chamber). Once rooted, clones can stay in the HPA systems for one additional week of pre-veg growing.



UC4XL13



HPA - 210



UC8XL13



HPA- 420



UC Mother ---> HPA Cloning System Suggested Pairings

Phase	Qty.	Required Systems	System Foot Print	Total Clones Per Year
Mother	1	UC4XL13	8' X 5'	Assuming 95% Success
Clone	1	HPA-210	2' X 6'	3,192
Mother	1	UC8XL13	14.5' X 5'	Assuming 95% Success
Clone	1	HPA-420	2' X 10'	6,384
Mother	1	UC12XL13	21' X 5'	Assuming 95% Success
Clone	1	HPA-630	2' X 14'	9,576
Mother	1	UCDB16XL13	13' X 15'	Assuming 95% Success
Clone	1	HPA-840	2' X 18'	12,768
Mother	1	UCDB24XL13	13' X 21'	Assuming 95% Success
Clone	2	HPA-630	(2x) 2' X 14'	19,152
Mother	1	UCDB32XL13	13' X 28'	Assuming 95% Success
Clone	2	HPA-840	(2x) 2' X 18'	25,536



Example of Mother > Clone Operational Rhythm													
Flower Rooms	Phase	Date 1/1-2/19	2/26	3/5	3/12	3/19	3/26	4/2	4/9	4/16	4/23	4/30	5/7
Flower 1&2	Mother	Plant Mothers Veg									Re-Veg	Re-Veg	Re-Veg
	Clone		Cuttings	Rooting	Pre Veg								
	Flower					Veg	Veg	Flower	Flower	Flower	Flower	Flower	Flower
Flower 3&4	Mother		Re-Veg	Re-Veg	Re-Veg								
	Clone					Cuttings	Rootings	Pre Veg					
	Flower								Veg	Veg	Flower	Flower	Flower
Flower 5&6	Mother					Re-Veg	Re-Veg	Re-Veg					
	Clone								Cuttings	Rootings	Pre-Veg		
	Flower											Veg	Veg