

# Cultivation Consultancy

## Case Studies:

### AutoPot Watering Systems



Watering Systems and  
Cultivation Consultancy

#### The Grove, Las Vegas

The Grove is a cultivation facility and dispensary in Las Vegas. This pioneering project is one of the most environmentally conscious and advanced indoor grow facilities in the world. The Grove utilises LED lighting to reduce electricity and HVAC expenditure. Its dual level racking system maximises canopy square footage whilst AutoPot Watering Systems optimise plant irrigation, eliminate waste water and reduce staff workload.

- 4700 x 6.6gallon AutoPot XL modules automatically irrigate their plants
- 700 x Heliospectra lights illuminate the plants at all stages
- High Density Cultivation System with sliding shelving units maximises canopy square footage
- So-Hum 100% Organic Soil only requires RO water for the full plant cycle
- Facility produces 28 different strains for their own dispensaries



#### Natural Rx, New Mexico

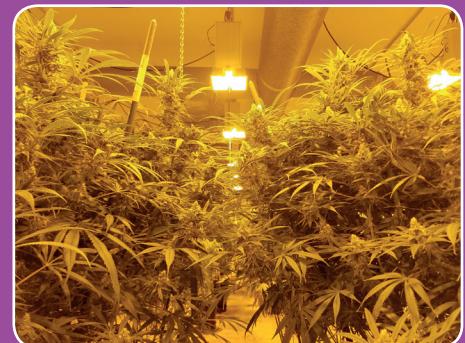
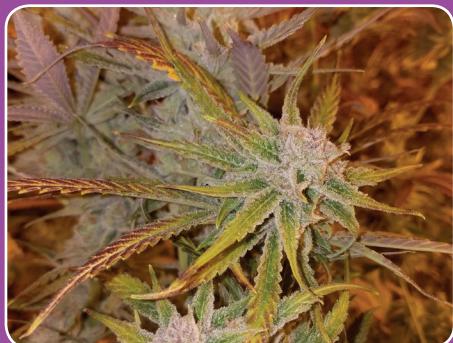
At their state-of-the-art Albuquerque base Natural Rx pursue the goal of cultivating superior medical cannabis products through the use of premium growing media, nutrients and equipment.

Whilst primarily focussed on quality Natural Rx are also mindful of the need for growers to maximise their yields. This is especially true in states like New Mexico where plant limits apply. The growing techniques employed by Natural Rx reflect this dual concern.

Natural Rx use an 8-week vegging cycle before turning plants to flower. Under these conditions a variety such as Blue Dream can yield upwards of 30oz per plant.

Natural Rx, Albuquerque currently houses a growing arrangement incorporating:

- AutoPot XL Systems
- Coco and Perlite substrates
- 96 flowering plants in total
- 48 Gavita 1000w DE fixtures
- COGO nutrient line
- Total plants 450 – 150/300 indoor/outdoor



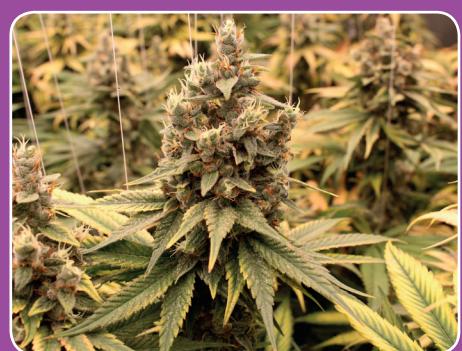
## BioTabs, Spain

BioTabs maintain their strong industry reputation through perpetual test growing. They combine a wide variety of cutting edge, often prototype, equipment with exclusively organic growing materials and nutrients. BioTabs' test growing experiences with Gavita lights and AutoPot Watering Systems have demonstrated that cultivating high yielding, high quality plants is possible without resorting to inorganic approaches.

Whilst achieving 1-gram-per-watt yields is a common boast the reality of those yields in terms of quality and consistency is often inflated. Furthermore, simple headline results often say nothing of the strains with which such yields are achieved. What BioTabs set out to do is 'the difficult thing' in growing; getting reliable, natural results with normal strains.

BioTabs test grows have incorporated such arrangements as:

- Gavita G1 tent with 1 x 1000 w Gavita de. - typical yields of 2.6-3.1lb (strain dependant)
- Gavita G2 tent with 2 x 1000 w Gavita de. - typical yields of 5.3-6.2lb (strain dependant)
- Growing free of boosters, minerals and CO<sub>2</sub>
- Organic-only growing with AutoPot Watering Systems



## Botanic Matters, Austria

Using AutoPot CocoMats and AQUAvalves in flat trays Botanic Matters produce thousands of young, cloned plants every month. The Austrian clone producers selected CocoMats as a simple, natural, low-maintenance solution to watering young plants for long periods.

The CocoMats sit in trays with gravity-fed, power-free AQUAvalves to irrigate them and, in turn, the young plants. Because the AQUAvalves only deliver irrigation in response to the plant's consumption there is no need to manually manage the rate of feeding.

The same AQUAvalve technology is at the heart of the AutoPot 1Pot and XL systems in which Botanic Matters house their mother plants.



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