



Why humidify?... For Cannabis

Constant and even humidity levels allow cannabis plants to thrive. Both humidity and evaporative cooling are essential to seedling development and healthy plant growth.

- Increases germination and yield by 15-20%
- Improves plant quality, growth, and uniformity
- Energy savings with reduced mechanical cooling
- Improves micro-climates and controls

Overview

Maintaining consistent humidity levels in your cannabis grow room or grow tent assists in providing a comfortable environment in which plants can thrive. Enhancing ventilation, maintaining humidification, and ensuring proper cooling can aid in seedling development and healthy plant growth.

The most common issue in an environment for growing cannabis is the combination of low humidity and high temperatures. When humidity levels drop serious issues can occur, including stunted plant growth and slowed photosynthesis.

Just like with low humidity, high humidity levels can also affect plants. Oedema, edge burn, soft growth, mineral deficiencies are among many of the issues that can occur due to high humidity.



Considerations for your Cannabis Plants

One need when growing cannabis plants that is commonly overlooked is humidity control. Keeping your environment at an optimal humidity level of between 50-60% RH is crucial for plant hydration and health.

Irrigation is required by cannabis plants however it is an insufficient solution for overheating and can be potentially dangerous to your plants.

Watering plants directly and abundantly to make up for the high temperatures and low humidity levels may result in the growth and spread of mold spores.

Humidity control is also vital to preventing the spread of disease amongst your plants and to ensure high quality plants and uniformity.

It is important to keep in mind the movement of the air, and ensure you have proper ventilation of the air to prevent the buildup of plant pathogens, such as fungi and bacteria, which manifest in still air conditions.

Optimal Humidity			
Clones 70%	Vegetative 40-60%	Flowering 40-50%	Final Weeks of Flowering 40-45%

*Too-high humidity can lead to slow growth, mold and bud rot (especially on leafy plants or fat buds). Too-low humidity causes slow growth and leaf stress.

Humidity for Drying

Optimal humidity in your cannabis drying room is also a critical. Keeping the humidity around the 50% range will allow your buds to dry but will keep them from drying too quickly.

The Benefits of Precise Humidity Control & Evaporative Cooling For Cannabis

The advantage to growing plants indoors is that you can control all the environmental factors: temperature, air flow, and moisture content in the air. Condair humidification and evaporative cooling solutions can offer the following benefits to your plants:

- Increases germination and yield by 15-20%
- Improves plant quality, uniformity, and growth
- Energy savings with reduced mechanical cooling
- Improves micro-climates and control
- Minimizes the risk of disease
- Increases general productivity of greenhouses

A Condair Solution For Your Grow Facility

Condair's humidification and evaporative cooling solutions are perfect for maintaining and creating the perfect environment for cannabis without wetting. This will aid to achieve the plants maximum potential.

Condair's full line of products can meet the needs of any size and complexity of grow operation. Our nozzle humidification systems allow you to create different conditions in various zones in your facility; our nozzles can be placed exactly where you need them for precise humidity control and evaporative cooling.

Condair manufactures a comprehensive range of humidifier and evaporative cooling systems across all humidification technologies that are ideal for growing cannabis. Whether for people or equipment, Condair's humidification engineers are able to provide the right solution to meet the needs of every environment.

Contact us today and ensure you have the best humidification solution for your cannabis plants.