

Dry Fog for Precision Cannabis Cultivation

Background

Alta Verde's Lachute facility produces cannabis for the Canadian market.

As Master Grower, Felix Rompre manages the environmental conditions that support the crop throughout each stage of cultivation. Maintaining the right balance between temperature and relative humidity allows plants to manage CO₂ more effectively — a key part of achieving the proper vapor pressure deficit (VPD).

Different stages and genetics also behave differently, making responsive humidity control an important part of Alta Verde's overall climate strategy.

Target Relative Humidity

65% RH

Mother Room

70% RH

Vegetation Room

55–60%

Flowering Room



The Results

From Standalone Humidifier to Full Climate Integration

Alta Verde's old ultrasonic humidifiers ran disconnected from the rest of the climate system, causing slow humidity recovery, water pooling, and algae buildup. AKIMist®E changed that.

	Before AKIMist®E	After AKIMist®E
Integration	Standalone unit, independent sensor	Fully integrated into climate control system
Cleanliness	Water pooling, risk of algae and mineral buildup	Dry fog, no surface wetting
Mold / Pest Risk	Elevated concern	Controlled via Dry Fog
Monitoring	On-site only	Remote via phone or laptop
Labor & Compliance	More manual cleaning required	Less labor, easier compliance
Plant Outcomes	Inconsistent grow	Healthier plants, improved yield & THC

"It helped me create the perfect balance to have a better yield and also increase the THC in my cannabis."

— Felix Rompre, Master Grower, Alta Verde (Lachute)

Scaling With Confidence

As Alta Verde expands, AKIMist®E is the default choice for every new room.

