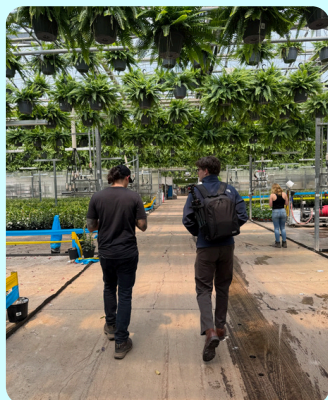


Dry Fog for Propagation Success

Case Study | Hendriks Greenhouses

Background

Hendriks Greenhouses, a wholesale ornamental plant producer operating across multiple facilities in Ontario, has been growing tissue culture and cutting-propagated plants for over 25 years. Head Grower German Betancourt and Senior Grower Belal Elhassan share how the AKIMist®E Dry Fog system transformed their propagation process — replacing labor-heavy methods with a precise, automated, and modular humidity solution.



BEFORE: Challenge

Manual plastic covers — labor-intensive, twice-daily checks

Uneven condensation caused plant pull-out and crop inconsistency

Overwatering risk in winter; under-humidification in summer

Traditional fog systems: high cost, all-or-nothing failure modes

AFTER: AKIMist®E Solution

Automated humidity control via Argus integration — 20 hours of manual labor saved per month

Uniform RH across entire propagation zone = even root stimulation, even crop

Dry Fog raises humidity without introducing wetting to root zone or foliage

Modular units — if one goes down, others keep running; portable between zones

> Labor Savings

Eliminated manual plastic cover/uncover cycles across propagation zones

> 1-2 Weeks Ahead

Crops reach transplant-ready stage faster under consistent humidity

> Zero Overwatering Risk

Dry Fog raises RH without introducing canopy wetness or root zone saturation

> Minimal Maintenance

Monthly nozzle cleaning only — no costly pump repairs or full-system downtime

Dry Fog Humidifier

AKIMist®E



The Dry Fog Advantage



Ultra-Fine Droplets

Fog evaporates before reaching plants — no wetting, no disease risk



Easy Integration

Ties directly into any environmental control system; Ikeuchi controller also available



Flexible & Modular

Units can be moved between zones; no whole system shut off required for maintenance

In Their Own Words

"Having this technology now — it's an amazing tool for us. We're able to propagate the plants more safely and with better guaranteed results."

– German Betancourt, Head Grower

"From the moment I saw it — just a small amount of water and it produces that dry fog — for me, that is unbelievable. Because I know the complications of building a fog system to give the same effect."

– Belal Elhassan, Senior Grower

Dry Fog In Action At Hendriks Greenhouses' Facility



"The Fog Engineers"

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