

WE INSTALL, YOU GROW.

ActivatedAir boosts crop yield, shortens time to harvest and drives farm profitability.



Introduction

The Challenge

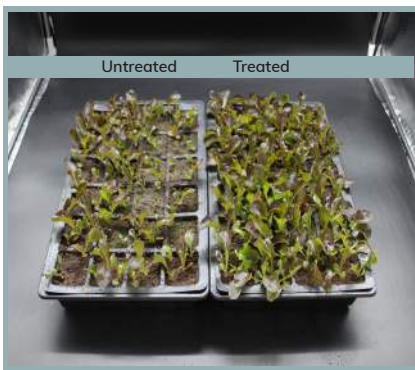
The world needs more food production from less land. Traditionally we've used chemicals to help boost yields and reduce disease loss, but sometimes that's just not the right approach.

At Zayndu, we've been blazing a new trail. We're using the raw power of nature to create a treatment that supercharges seeds. Once treated, seeds germinate and grow faster, creating stronger, healthier plants. What's more, the equipment to deliver this boost is compact and easily installed in your facility.

The ActivatedAir Solution

Zayndu's ActivatedAir cold plasma technology benefits plants from the start. ActivatedAir primes seeds for faster, synchronized germination. Beyond the early-life phases of germination and seedling establishment, the ActivatedAir cold plasma treatment also has a direct, beneficial effect on plant growth. The examples we show here are further validation of results supported by reams of peer-reviewed scientific literature - now available at commercial scale.

Germination



Faster, stronger germination cuts germination time.
Strong, fast growth: more revenue.

Uniform Crops



A tighter germination window means more plants are in-spec at harvest.
More marketable crop: more revenue.

Pathogen Reduction



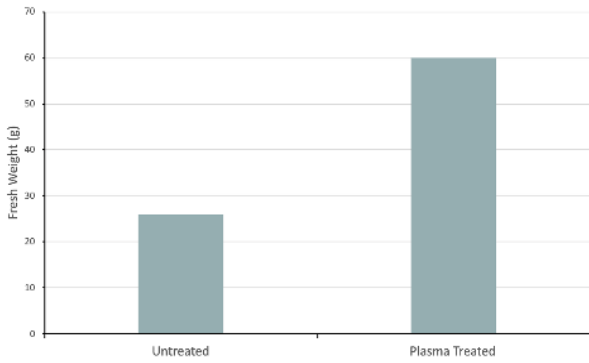
Natural disinfectant qualities reduce the chance of seed-borne disease.
Less loss: more revenue.

Zayndu's cold plasma "activates" the air around the seeds, using the same principles as lightning. The plasma alters the thermodynamic equilibrium of the air, creating a cocktail of oxygen and nitrogen compounds - the very mechanisms that nature itself uses to regulate biochemical pathways. With precise control we harness nature's own tools to improve your growing results.

The effect on marketable crop yield is significant. More plants, shorter crop cycles, more usable produce at harvest. The examples here are just 3 of the 100's of varieties we boost with ActivatedAir. Ask us what we can do for your production.

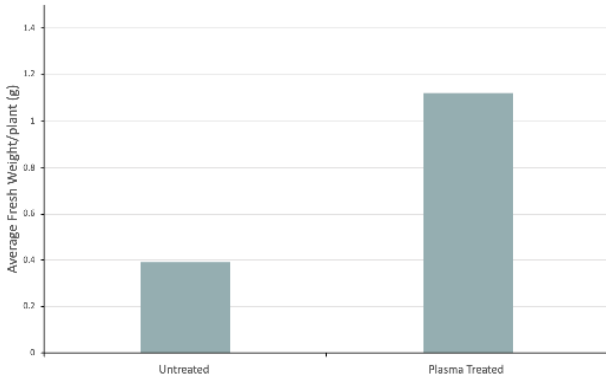
Basil

2.3x increase in biomass



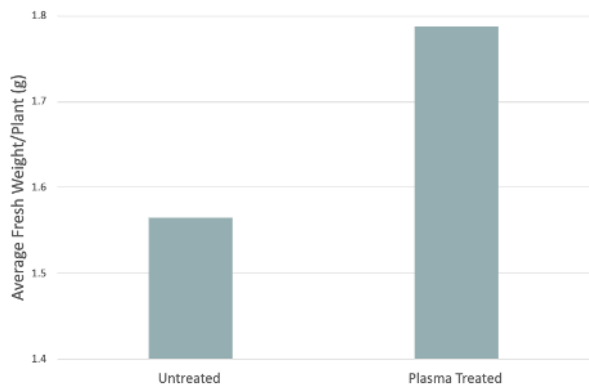
Lettuce

harvest days earlier



Coriander

19% increase in yield



* Cold plasma treated seen on the right and untreated seen on the left (applies to all images).

Deploying ActivatedAir

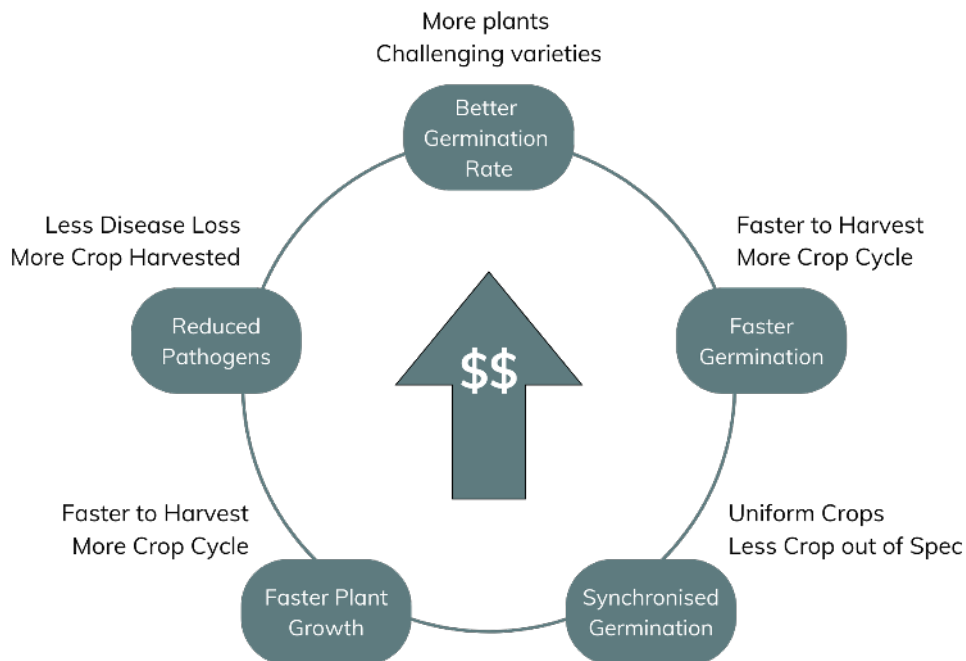
Installation On-Site

The ActivatedAir platform is a self-contained unit, available on a subscription model with no up-front payments required. Subscriptions are tailored to your requirements and are always designed so that most of the revenue increase stays with the grower. All subscriptions include full training and technical support, with treatments optimised to your crops and growing conditions.

ROI Justifications

ActivatedAir brings the opportunity to optimise your production to market needs. It's a toolkit offering a blend of benefits, all driving towards increased farm production with no significant change to operating costs. Whether delivering an earlier crop, more usable crop, improving seed germination rates on challenging varieties, or increasing the number of crop harvests per year, Zayndu's subscription model is designed to drive your revenue and profitability.

Every growing facility is different – we'd be glad to work through the ROI models and show you what ActivatedAir can do for your bottom line.



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