



Innovator Spotlight: HÄLLNÄS HANDELSTRÄDGÅRD

Hällnäs, Sweden

Inside Hällnäs Handelsträdgård: Impossible Results in Extreme Environments

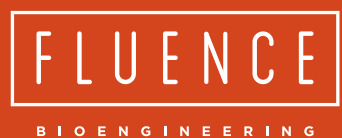
Located just south of the Arctic Circle in Northern Sweden, Hällnäs Handelsträdgård is a producer of a variety of bedding and potted leafy greens, herbs and ornamental flowers. Started in 1953 growing herbs and lettuce, the company now operates out of a modern production facility and went 100% organic in 2016.

Because of its year-round colder climate and almost no natural light during the months of December and January, Hällnäs Handelsträdgård relies on supplemental light to increase its plant production.

We are seeing reduced lead times and higher yields under the Fluence LED systems, with finished product quality that exceeds everything we have seen before.

BJÖRN ISACSSON
OWNER

To learn more about how Hällnäs Handelsträdgård is transforming organic production, visit fluence.science/hallnas/





Hällnäs Handelsträdgård's Fluence-Powered LED Greenhouse

VYPRx
PLUS

The company deployed Fluence's VYPRx PLUS with PhysioSpec Greenhouse spectrum for full-cycle plant growth and development, along with Fluence's VYPRx PLUS with AnthoSpec as a finishing spectrum to increase anthocyanin accumulation in lettuce. This resulted in a deep red color and higher antioxidant properties which was previously impossible to produce under HPS or sunlight. Since Hällnäs Handelsträdgård replaced its HPS lighting system with the Fluence VYPRx PLUS, the company has experienced:



- 21% REDUCTION IN LEAD TIME
- INCREASED ENERGY EFFICIENCY
- INCREASED OVERALL YIELD
- INCREASED BENCH TURNS
- IMPROVED QUALITY
- REDUCED SHRINK
- MORE ACCURATE FORECASTING



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