

# See your potted plants in a new light. Discover the secret to better growth.

Study shows that high-grade light diffusion promotes faster, healthier growth in delicate plants.

Is one climate system better than another?

# The evidence is growing

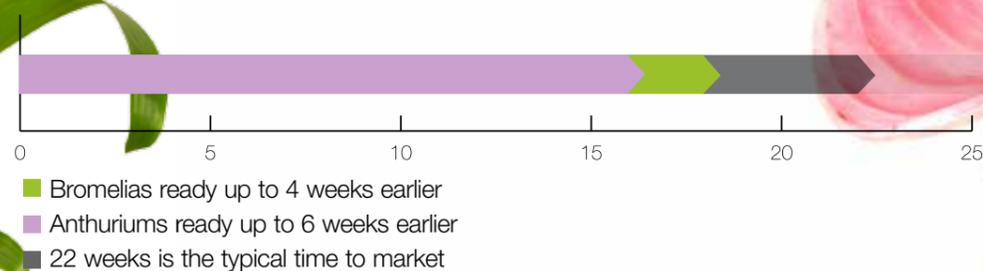
In a recent study, Svensson Harmony high-grade light-diffusing climate screens have once again been found to help shorten growing cycles and produce better quality plants. This time, potted plants shaded by Harmony were ready for market up to 25% faster – and were up to 25% heavier – than usual.

What if it were possible to give delicate potted plants twice as much light and speed up growth without harming them? To find out, Wageningen UR Greenhouse Horticulture, a Dutch research institute, equipped two test greenhouses containing anthurium and bromelia plants with Svensson Harmony high-grade light-diffusing climate screens. Then they increased both the humidity and the amount of daily light the plants received over a summer growing cycle. Instead of the usual 5 mol PAR/m<sup>2</sup> per day, plants in the first greenhouse received up to 7.5. In the second greenhouse, plants received double the usual amount of light: up to 10 mol PAR/m<sup>2</sup> per day.

## The results were spectacular

The bromelias were not only ready for market two to four weeks earlier than usual but were also of noticeably better quality. Even more impressive, the anthuriums in both greenhouses were ready for market after just 16 weeks, instead of the usual 22. That's six weeks faster – a boost of 25%. Not only that: the plants that received the most daily light were also 25% heavier than normal. And even with this accelerated growth, they showed no light damage.

## Faster growth



## Here's why

The white strips in Harmony screens diffuse light evenly so it reaches deeper into the crop, preventing the occurrence of burnt top leaves. Plus, because the light is of an improved, high-grade quality, more can be let in the greenhouse. This speeds up growth. And since Harmony's light penetrates the entire crop from top to bottom more effectively, plant quality improves too.

In addition, unlike fixed-in-place solutions such as whitewashing, retractable Harmony screens also provide greater control over how much direct and diffused light plants receive. With fixed shade solutions, valuable light is lost in the morning and late afternoon, as well as on cloudy days.

## Get the most out of your greenhouse

Contact us to learn more about the study. And if you like, we'll be happy to help you discover the potential of your greenhouse too.

Up to  
**25%**  
heavier plants

All plants were of noticeably better quality. The anthuriums that received the most light were **25% heavier**.

### Test plants

Anthuriums and bromelias:  
Summer growing cycle (beginning week 15)

### Setup

150m<sup>2</sup> Glass Greenhouses, located in the Netherlands.

- Reference greenhouse with SOLARO 6225 O FR
- Two trial greenhouses, both with HARMONY 5220 O FR

*For additional energy savings, LUXOUS 1347 FR was installed in the trial houses.*

### Conditions

Maximum light per day [mol PAR/m<sup>2</sup>]

- Control greenhouse: 5
- Test greenhouse 1: 7.5
- Test greenhouse 2: 10

*A misting system in the test greenhouses increased the humidity to complement the higher light levels.*

## Cultivation is in our DNA

Ludvig Svensson is a family-owned textile company. We have grown over the decades and today our climate screens are sold around the world. As family-business owners, we're deeply familiar with the hard work, dedication, and patience it takes to nurture a simple idea until it matures and eventually bears fruit. And we bring that same passion to our customers' businesses, offering carefully designed and highly functional textiles, know-how, and – above all – a commitment to improving the lives of both people and plants.