

### Announcements

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### Job offers

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- Sales Representative - Kingsville, Canada (ON)
- Horticulture instructors - Canada
- Sales & Supply Manager - Australia
- Marketing Manager LED Solutions Floriculture - Netherlands
- Potato Technical Manager - Russia
- Export Sales Manager - Kings Lynn, Norfolk, England
- Career positions in Tehachapi - US (CA)
- Marketing manager - Westerlo, Belgium
- Hydroponic and greenhouse positions - United States
- Agronomist/Sourcing Technical Manager - Copenhagen and Helsingborg

### Using ventilated latent heat converters to reduce botrytis pressure

Controlling the humidity inside a controlled environment is one of the most discussed concerns amongst greenhouse growers. A solution that is more often noticed by growers are the so called Ventilated Latent Heat Converters (VLHC); These units extract humid air from inside the greenhouse and convert water vapour into water and heat by blowing the air through a matrix of desiccant-filled elements in a compact cooling tower. This results in a better climate, less disease pressure and energy saving. At the IPM Essen last month, Chaim Edelman of VLHC developer Agam told us that growers all over the world are showing more interest in this solution.



AGAM unit at Dutch organic tomato grower Greenshield at the end of the cropping season.

The Agam VLHC unit allow the growers to realize a better internal ventilation by keeping the window vents closed. Keeping the vents close leads to less energy spills as well. Edelman: "As well as this the VLHC will convert the humidity of the plants in to energy; warm, dry air that can be used to heat the greenhouse again and save energy. Because the humid air is not only converted into dry warm air, but is also being treated and filtered; the level of fungus and other plant diseases in the greenhouse will decrease."



Agam unit at UK baby leaf grower Westland Nurseries

According to Edelman, more growers around the world are convinced of the system. "In the beginning many growers, especially the well respected Dutch growers, were quite skeptical of the system. But now that we have proven results from different research stations and practical trials, the system is gaining popularity. Dutch organic tomato grower Ruud van Schie of Greenshield is using the system; he realized 60 % energy saving and reduced the botrytis pressure inside his greenhouse."

But also organic and non organic herb growers in Germany favour the system. "The UK baby leaf grower Westland Nurseries is using our VLHC now as well", Edelman said. According to him the return of investment of the VLHC is 1 year and a half. "The UK baby leaf grower achieved 52% energy savings with the system."



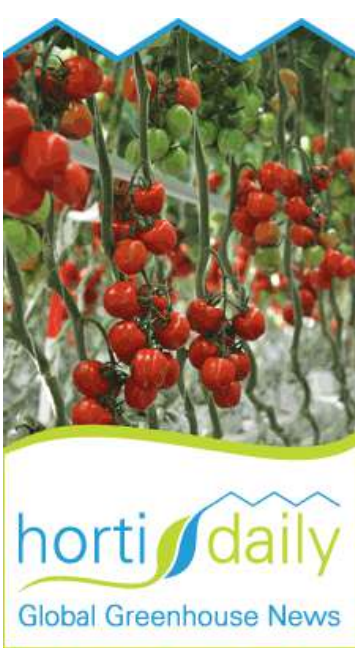
PHILIPS



Boost Growth & Plant Health

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The VLHC of Agam is available via various distributors: Horticoop (Holland), Flextechnic (Denmark & Norway), Schettelig (Finland), NP Structures (UK) and the Chinese partners Dahan and Yongsoon.

Edelman furthermore stressed out that the unit also gains in popularity in the United States. "Not only in standard commercial greenhouse crops but also in the upcoming medicinal industry. Last year Kurt Parbst started to work with us as Business Development manager for Agam Technologies and with him we have a good, experienced crop and technical specialist on site."

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## Tweeting Growers

**Jean Lonie** @JeanLonie 3h

The #Nuffield15 CSC is on! 75 scholars from 13 countries and lots of Ag Chat!  
[pic.twitter.com/IIHudsyY8F](http://pic.twitter.com/IIHudsyY8F)

Retweeted by Nicky Mann

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**Jonathan Dyer** @dyerjonathan 48m

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## Last comments [more »](#)

- Complete range of Beekenkamp now in one app (1)
- Maximum biological protection at Windset Farms (1)
- Asia: Beijing Kingpeng leads China's emergence in the greenhouse industry (2)
- Swedes design fully automated roof washer for poly houses (1)
- 2015 is declared as the International Year of Soils (1)
- Spain: Capital Genetic and Mendeleys extend cooperation on Research and Development of new varieties (2)
- India: Andhra govt offers 75% subsidy for greenhouse farming (2)
- Saudi Arabia: Huge farm, nursery blaze in Qatif (1)
- Busting six myths about LED grow lights - part 1: Yield (2)
- Tomatoes: less nitrogen, top results (2)

## Top 5 - yesterday

No news has been published yesterday.

## Top 5 - last week

- Aeroponic towers: how they work and why they are so popular
- Advanced greenhouse poly reduces temperature without losing light
- Rabobank net profit decreases, greenhouses a concern
- Koppert introduces natural spray treatment against aphids and whiteflies
- BrightBox: the most complete commercial research facility for growing without daylight

## Other news in this sector:

- 2/27/2015 US (MA): Aquaponic greenhouse to boost access to healthy foods in low-income areas
- 2/26/2015 Hydroponics and its amazing benefits over indoor gardening
- 2/26/2015 Use of controlled water deficit to regulate Poinsettia stem elongation
- 2/26/2015 UK: Growing greenhouse strawberries can pay
- 2/26/2015 UK: Vining peas: Extension of variety evaluation trials
- 2/25/2015 Challenges of strawberry production in high-pH soil at high elevation
- 2/25/2015 US (NM): Bill to allow 'Aquaponic' systems for simultaneous fish, vegetable farming to be heard
- 2/24/2015 Advanced greenhouse poly reduces temperature without losing light
- 2/24/2015 Rhizometer: an apparatus to observe and measure root growth and its effect on container substrate
- 2/24/2015 Substrate moisture content effects on growth and shelf life of *Angelonia angustifolia*
- 2/24/2015 The ABCs of Plant Growth Regulators in vegetables
- 2/23/2015 Fluoride toxicity in plants irrigated with city water
- 2/23/2015 Effects of living mulch and fertilizer on the performance of broccoli in plasticulture
- 2/23/2015 Aeroponic towers: how they work and why they are so popular
- 2/23/2015 Senmatic introduces basic, low cost climate computer for tunnel greenhouses
- 2/20/2015 Japan: Farmers see growth potential for 'functional' vegetables
- 2/20/2015 Busting six myths about LED grow lights - part 1: Yield
- 2/20/2015 Science Into Practice: Regulating plant growth
- 2/20/2015 South Korea International School boosts learning in greenhouses
- 2/19/2015 Georgian growers extending the daytime in warm, darker months

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1. All comments which are not related to the article contents will be removed.
2. All comments with non-related commercial content, will be removed.
3. All comments with offensive language, will be removed.

Name \*

## Top 5 - last month

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Photo report IPM Essen 2015  
Photo Report Fruit Logistica 2015  
Photo report: HortiDaily High Tech  
Greenhouse Tour 2015  
Duijvestijn Tomatoes awarded world's  
best tomato grower  
Georgian growers extending the daytime  
in warm, darker months

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## Exchange rates [more »](#)

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USD: 1.1240  
JPY: 134.05  
GBP: 0.72780  
AUD: 1.4358  
BRL: 3.2579  
CAD: 1.3995  
CNY: 7.0485  
NZD: 1.4849  
ZAR: 13.0684

*Euro foreign exchange reference rates*  
Source: ECB

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