

Valoya and Buresinnova Equip Agrenvec's Manufacturing Facilities for Cutting Edge Protein Research

Valoya's high end LED grow lights have been available in the Spanish market for over a decade, thanks to a Barcelona based, horticultural consultant and supplier, Buresinnova. Part of the Bures family of businesses with more than 50 years dedicated to the service of agriculture, seedbeds, substrate production and gardening, Buresinnova offers a portfolio of brands rigorously selected for their solid track record in research.

Countless growth rooms and greenhouses across Spain and Portugal enjoy the benefits of finely tuned LED lighting, thanks to this partnership.



In mid 2020 Buresinnova and Valoya were commissioned to equip plant production facilities at Agrenvec, a Spanish company commercializing recombinant proteins and antibodies for the R&D and industrial markets. Through their patented technology platform, Agrenvec brings to the market animal free, fully active recombinant proteins with complex 3D structure and with a purity of 97%.

To achieve this, they needed illumination that would quickly produce high biomass in plants that are used as biofactories to produce high added value proteins. Valoya's AP673L spectrum was chosen for its ability to enhance vegetative plant growth, while delaying flowering. The L28 form factor was ideal for this application as it uniformly delivers the optimal light intensity to the canopy, while creating minimal amounts of heat and preserving its spectral quality throughout its lifetime.

Agrenvec has been pioneering plant molecular farming for nearly 20 years. Plant-made human recombinant proteins are massively produced and marketed worldwide for skin and hair care purposes. During 2020 the company challenged the rapid production of SARS-CoV-2 proteins for immunodiagnostic. "We are very excited about the opportunities emerging in both human and animal in vitro diagnostic. Increasing our manufacturing capacities to face present and upcoming demand is our mandatory goal this year" comments, Ms. Isabel Bronchalo, CEO at Agrenvec SL, Spain

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