

## Valoya and Hohenheim University Announce a Research Partnership

A three year long research partnership on *Cannabis sativa* has been kicked off with the first experiment, running since October this year. The goal of the research partnership is to advance our understanding of the light spectrum and lighting technology effects on flower yields and quality of multiple strains of cannabis. These results will also help develop even more efficient lighting protocols for professional cannabis cultivators.



Both, greenhouse and growth chamber conditions will be used for the experiments and flower yields, cannabinoid compositions and terpene profiles will be analyzed. Additionally, the effect of light uniformity on flower yield and quality will be tested.

A total of six experiments have been planned over the three year period. The research project is primarily funded by the German Federal Ministry for Economic Affairs and Energy. The findings will be published in peer reviewed journals, contributing to the limited amount of thus far available scientific data on the cannabis plant. This research project will be led by Prof. Dr. Simone Graeff-Hönninger and Mr. Philipp Reichel, PhD student.

Valoya, the research driven horticultural LED lighting manufacturer spearheads the scientific research on LEDs globally, with over 100 thus far published academic articles with its lights. This partnership is a natural continuation of Valoya's extensive efforts on cannabis research that originated in 2014 and resulted in the world's first academic article comparing the effects of HPS vs. LED lighting on cannabis. This work has also resulted in Solray®, Valoya's finely balanced, wide spectrum, widely used in cannabis cultivation for industry leading yields and cannabinoid expressions.

Learn more about the latest developments in research on LED for cannabis at [valoya.com/webinars](https://valoya.com/webinars)  
Contact Valoya today to get your free light plan - [sales@valoya.com](mailto:sales@valoya.com)

### About Valoya

Valoya is a provider of high end, energy efficient LED grow lights for use in crop science, vertical farming and medicinal plants cultivation. Valoya LED grow lights have been developed using Valoya's proprietary LED technology and extensive plant photobiology research. Valoya's customer base includes numerous vertical farms, greenhouses and research institutions all over the world (including 8 out of 10 world's largest agricultural companies).

**Additional information:**

Valoya Ltd, Finland

Tel: +358 10 2350300

Email: [sales@valoya.com](mailto:sales@valoya.com)

Web: [www.valoya.com](http://www.valoya.com)

Facebook: <https://www.facebook.com/valoyafi/>

Twitter: <https://twitter.com/valoya>