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Job Offers

- Growing Manager young vegetable plants
- Lead Grower California USA
- Horticultural Soil Sales Representative - USA

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Top 5 -yesterday

- Takeaways from The Hemp Mine's Field Trials
- CAN: Cannabis legalization anniversary comes amid supply glut concerns
- US (CO): Acquisition of Colorado-based properties for greenhouse cannabis cultivation
- CO: Letter of intent signed for the sales of up to 600,000 cuttings
- Biobest's Eupeodes-System wins Bernard Blum Award 2020

Top 5 -last week

- When an architect becomes a cannabis grower – innovative Swiss indoor production
- CAN (BC): Small town gets ready to face local cannabis company potentially going bankrupt
- Retrofitting an old semi-tire retreat warehouse into an indoor cannabis cultivation
- Key points for choosing grow lights for greenhouses
- Vicac's specialized growing media for medical cannabis and Hemp

Top 5 -last month

- Meet the biggest cannabis R&D facility in Israel
- Know your enemy: the cannabis aphid
- Zenabis to collaborate with Signify on cultivation research for its indoor farm
- Like music to their ears
- When an architect becomes a cannabis grower – innovative Swiss indoor production

Exchange Rates [more >](#)

- USD: 1.1810
- DKK: 7.4425
- CHF: 1.0724
- NOK: 10.9698
- ZAR: 19.5245

Foreign exchange reference rates for the Euro
Source: ECB

Improved Daily Light Integrals with satellite data

From its introduction forty years ago, the Daily Light Integral (DLI) metric has become an important tool for determining monthly daylight availability for crops and estimating supplemental electric lighting requirements for greenhouses. DLI charts for the continental United States have been available for nearly two decades, but it has only been in the past year or so that DLI information for geographic locations worldwide has been made available through various online DLI calculators.

These calculators however have two disadvantages. First, the DLI calculations for a given location are based on the nearest weather stations for which Typical Meteorological Year (TMY) weather data is available. There are over 1,000 such stations in the United States, but only 1,100 or so for the rest of the world. Argentina, for example, has only one weather station in Buenos Aires.

The second disadvantage is that the world's climate is changing. Climate-based TMY weather data for a given station location is based on preferably 30 years of continuous hourly weather records. However, rising global average temperatures have resulted in changes to annual cloud cover for given geographic locations. These changes are making 30-year averages for DLI calculations increasingly unreliable.

SunTracker Technologies has responded to this challenge and will be updating its popular free DLI Calculator tool with a new and improved DLI Calculator. The new and improved free online software tool merges ground weather station data with satellite data that provides monthly shortwave (ultraviolet, visible, and near-infrared) incoming radiation for any geographic location. These data are converted from watts per square meter to photosynthetic photon flux density (PPFD) and hence monthly DLI values.

The satellite data is corrected using statistical techniques of comparison between the weather station and satellite datasets. The results are more accurate and reliable DLI values, regardless of the geographic location worldwide.

SunTracker's DLI Calculator is available at <https://www.suntrackertech.com/dli-calculator/>. The new and improved version will be released on October 31st, 2020.

For more information:
SunTracker Technologies
www.suntrackertech.com



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- 2020-10-09 Hoogendoorn Growth Management introduces 'biggest innovation yet'
- 2020-10-09 "We've made everything international in the new version"
- 2020-10-05 "Big issues face the cannabis industry but A.I. is here to help"
- 2020-10-02 Jan Wijgerse sets up own product line with GHBD Holland
- 2020-09-23 New irrigation controller series
- 2020-09-10 Optimizing genotyping processes at lower costs
- 2020-09-10 Apoximis: easy propagation of high yielding hybrids
- 2020-09-03 Automated irrigation techniques
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- 2020-08-24 Plant nanobiohybrids as living sensors for on-site environmental pollutants detection
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