

NEWS RELEASE

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Crop Microclimate Management Announces Patent Registration for Next Generation of its PHOTON® Crop Stress Product

The next generation of Crop Microclimate Management's (CMM) highly successful crop stress PHOTON® plant nutrient has received U.S. patent US11638401, as well as approval of claims in Chile, Australia, and parts of Africa. Patent approval is pending key global markets like Germany, South Africa, Brazil, Indonesia, Canada, and multiple European countries.

Photon® is a proprietary and unique mode-of-action product designed to enhance crop productivity by reducing the yield-robbing impacts of extreme heat, cold, salinity, excess radiation, drought, moisture, and light.

"When one considers that approximately 60 percent of crop loss worldwide is caused by environmental stress, PHOTON® is one of the few products that is proven to mitigate stress and improve crop yields and quality," says Dr. Chuck Kupatt, CMM founder, president, and R&D director.

PHOTON® is a blend of naturally occurring saturated dicarboxylic acids. Multiple trials since 2011 have confirmed the effectiveness in a wide variety of crops worldwide. In addition to increasing yields and improving the appearance and marketability of crops, berry crops, peppers, and other crops are positively impacted by better firmness at and after harvest.

PHOTON® is effective in a wide range of crops, including tree fruit, vegetables (including tubers), sugarbeet, row crops, and many more. Research continues on how PHOTON® can benefit crops post-harvest at storage, recovery of damaged forage crops, turf quality, and post-transplanted seedlings.

CMM uses established traditional agricultural crop protection distribution of PHOTON® in the majority of selling markets.

Based in Wilmington, Crop Microclimate Management researches, develops, manufactures, and markets science-based products for the management of abiotic (environmental) stresses in crop plants to increase yield, improve crop quality and manage losses caused by extreme temperature, light, or drought conditions. Learn more at www.cropstress.com or www.photonyield.com.

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