



## **NEWLEAF SYMBIOTICS RECEIVES SECOND US PATENT**

*Invention provides M-troph products for agricultural applications*

**ST. LOUIS, MO, January 4, 2018** – The US Patent and Trademark Office has granted NewLeaf Symbiotics, a venture-funded agricultural biologicals company, US Patent No. 9,845,462, the second US patent to issue for NewLeaf’s proprietary M-troph technology. M-trophs are beneficial bacteria that naturally colonize plants and stimulate their growth. The patent covers plants and plant parts treated with M-troph compositions resulting from NewLeaf’s improved fermentation methods. High density M-troph fermentations are formulated for supply across a range of agricultural applications. The patent discloses a breakthrough invention that allows the company to deliver these bacteria more efficiently than was possible in the past. In addition to the US patents, NewLeaf has been awarded patents on this technology in Europe and Japan and has recently received notification that a patent will be granted in Canada.

NewLeaf’s product development team refined the invention, extending the coverage for production work pioneered by Gregg Bogosian, in 2012. “NewLeaf’s probiotic strains have been developed to increase the plant host’s genetic potential. This patent covers methods ensuring that the dose and delivery are tailored to the crop, guaranteeing a fit with specific plant traits, enhancing valued phenotypes, and complementing existing agrochemical/agronomic practices,” said Desmond Jimenez, Vice President of Product Development and Manufacturing.

“This new patent is an important milestone in our strategy,” stated Tom Laurita, CEO of NewLeaf. “We are focused on the rapid deployment of M-troph bacteria across the agricultural landscape. This patent on M-troph agricultural products greatly expands the scope of coverage and supports our existing portfolio.”

NewLeaf dedicates substantial investment in the development of intellectual property. The Company has filed over 70 patent applications that cover a broad range of technology including methods of production and formulation, crop yield enhancement, and activity against pathogens and pests. Lead patent agent, Donna Scherer, files patent applications on key inventions and communicates with patent offices throughout the world to ensure patent protection for NewLeaf’s production methods and proprietary M-troph strains.

### **About NewLeaf Symbiotics**

NewLeaf Symbiotics is a venture-funded, non-GMO agricultural biologicals company engaged in discovery, development, production, and commercialization of products containing beneficial plant bacteria. Its 40+member team is based in BRDG Park at the Donald Danforth Plant Science Center in St Louis, Missouri. Visit NewLeaf Symbiotics at [www.newleafsym.com](http://www.newleafsym.com).

### **Bio Research & Development Growth (BRDG) Park**

Bio Research & Development Growth (BRDG) Park at the Danforth Plant Science Center helps life science companies bridge research, resources and relationships to achieve commercial success. In addition to providing world-class wet laboratories, office space and a prominent incubator, BRDG Park's location on the Danforth Center's campus facilitates access to the intellectual capital of top scientists, as well as to greenhouses, growth chambers, microscopy and proteomics facilities and other vital resources. Located in suburban St. Louis County, Mo., BRDG Park is being developed by Wexford Science+Technology LLC, a development company led by a seasoned team of real estate, finance and engineering experts specializing in major university facilities and science research parks nationwide.

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