



DALAN ANIMAL HEALTH'S HONEYBEE VACCINE NAMED TO TIME'S 2023 BEST INVENTIONS LIST

Vaccine recognized as an 'extraordinary innovation' within sustainability category

ATHENS, GA. (October 24, 2023) – [Dalan Animal Health, Inc.](#) ("Dalan"), the pioneering biotech company specializing in insect health, has been named to TIME's Best Inventions of 2023 in recognition of the world's first honeybee vaccine.

Dalan's first-of-its-kind vaccine is designed to offer protection against American Foulbrood (AFB), a devastating disease plaguing beekeeping operations globally, before it occurs. This safe, non-gmo, non-chemical prophylactic tool shifts the power into the hands of beekeepers as a proactive way to protect their hives and avoid the use of antibiotics.

"It is our deep conviction that honeybee vaccines are transformative, with the power to make way for greater biodiversity and a more sustainable food supply," said Dr. Annette Kleiser, co-founder and CEO of Dalan Animal Health. "Being recognized as one of the best inventions of 2023 further validates this belief and inspires us to continue to develop solutions that support the most underserved populations in animal health.

One third of all crops rely on pollination, making honeybees an invaluable part of our global food supply and the health of our ecosystems. Dalan is working to ensure planetary health, feed a growing world population, protect farmers that rely on pollinators and support beekeepers in a safe and sustainable way.

The annual list recognizes the 200 extraordinary innovations changing our lives, having evaluated contenders on a number of key factors, including originality, efficacy, ambition and impact. The company, which is headquartered in the University of Georgia's Innovation Hub, is being recognized for this major milestone in the sustainability category.

Dalan's inclusion on this prestigious [list](#) is the latest achievement in the company's success, following conditional market authorization in the [United States](#) and [Canada](#).

About the vaccine

Dalan's vaccine uses killed whole-cell *Paenibacillus larvae* bacteria and is administered by mixing it into queen feed consumed by worker bees. The vaccine is incorporated into the royal

jelly by the worker bees, who then feed it to the queen. The queen ingests the vaccine, and fragments are deposited in her ovaries, providing immunity to the developing larvae. The non-GMO vaccine can be used in organic agriculture, and pivotal efficacy studies have shown its potential to reduce larval death associated with American Foulbrood infections caused by *P. larvae*.

About Dalan Animal Health, Inc

Dalan Animal Health (www.dalan.com) is dedicated to bringing the world transformative animal health solutions to support a more sustainable future. This platform vaccine technology uses transgenerational immune priming, allowing the maternal animal to pass immune modulators (e.g., antigens, anti-microbial molecules) to the next generation larvae before they hatch. Dalan plans to develop vaccines for other honeybee diseases and underserved industries, such as shrimp, mealworms, and insects used in agriculture. The company is headquartered in Athens, Georgia, at the University of Georgia's Innovation Hub.

Media Contact:

For all media requests please reach out to the following:

Email: press@dalan.com