

Trefethen Family Vineyards Partners with Earthly Labs on Carbon Capture for the Wine Industry

by press release, October 20, 2021

(Napa, Calif.)—Trefethen Family Vineyards, one of Napa Valley’s pioneering family-owned estate wineries, and Earthly Labs today announced a pilot project focused on capturing carbon dioxide emitted from the winery’s fermentations. Trefethen is the first winery to install Earthly Labs® CiCi® carbon capture technology and the two companies hope the technology, put in place for this year’s harvest, will eventually help more wineries reduce their carbon footprints. Carbon dioxide is a natural by-product of fermentation and the CiCi technology captures the gas, purifies it, and stores it as a liquid, which can then be reused in various industrial applications.

Although the carbon dioxide captured during fermentation is not coming from fossil fuels, it acts the same way in the atmosphere. Hailey Trefethen, who leads sustainability programs for her family’s winery commented, “this is a natural extension of our commitment to land stewardship and environmental responsibility. With this technology we are gaining ground in reducing global emissions and the related impacts of climate change. We are making great strides this harvest season and hope the practice will be widely adopted in the future.” Trefethen is certified Napa Green, Certified California Sustainable, and a member of The Porto Protocol, a global consortium of wineries focused on climate change.

The approach developed by Earthly Labs expands on the proven CiCi carbon capture platform, adding new ways to process and scrub CO₂ in a winery setting. The size of a large refrigerator, the CiCi system is installed alongside the Trefethen fermentation tanks. “New climate solutions are needed urgently, but they only work when leaders like Trefethen are willing to pioneer new innovations,” said Earthly Labs CEO Amy George. “We are thrilled to partner with Trefethen to advance climate science and showcase what one winery can do to inspire others.”

ABOUT TREFETHEN FAMILY VINEYARDS

One of Napa Valley’s pioneering wineries, Trefethen Family Vineyards crafts distinguished estate grown wines that express the unique spirit of their land, vines, and people. The dedication of the Trefethen family is manifest in every aspect of the operation, from the soil to the table, including sustainable farming, thoughtful winemaking and gracious hospitality. For more information, please contact the winery at 707.255.7700 or visit trefethen.com.

ABOUT EARTHLY LABS'

Earthly Labs' mission is to avoid one billion metric tons of carbon dioxide emissions. The company's carbon capture technology allows for energy-efficient capture, purification, and reuse of carbon dioxide from small-scale sources. Earthly Labs' solution includes patent-pending small footprint capture hardware "CiCi®" process control and monitoring software, and maintenance services. The new CO2 exchange program allows companies to capture and sell waste CO2 to create value. CiCi is the first platform available for the small craft brewing segment, and now wineries. Earthly Labs is a Public Benefit Corporation committed to using business as a force for good. To find out more, visit earthlylabs.com.

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