



For Immediate Release – December 17, 2019

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Second Conclusive, Science-based Study Debunks Anti-Cannabis Forces

Amidst a Standoff between Santa Barbara County Cannabis and Wine Grape Farmers, Final Report for Cannabis Cultivation Confirms Terpenes would not Contaminate Wine Grapes

Santa Barbara, CA – Currently thirty states have legalized cannabis either for medicinal or recreational use. Of those, ten states grow both cannabis and wine grapes. Along California's Central Coast, a fight for property rights and a farmer's right to farm has grown contentious over the last year as wine grape farmers contest cannabis farm permits on the grounds of hypothetical tainted yields.

A comprehensive and scientific report debunking these conjectures was published December 6th by Dr. William Vizuete at Pacific Environmental Analytics. By re-creating potential monoterpene emission factors, predicting the gas-phase concentrations and simulating local weather patterns, the study sought to determine potential deposition rates on wine grapes.

A key finding from Vizuete's modeling and research is that it requires 1,121 continuous days of flowering for cannabis plants to release enough terpenes for grape taint to occur. However, cannabis plants only emit monoterpenes for 21 days prior to harvest. Even on a farm that plants and harvests three yields, monoterpenes would only be emitted for 63 days of each year, a fraction of the emission rate necessary to taint wine grapes.

At a recent county planning commission hearing, Marc Chytilo, the attorney for Pence Vineyards & Winery, argued that cannabis farms are incompatible with surrounding agricultural uses because of potential terpene migration. He referenced a 2012 study by Dimitra Capone researching the impact of eucalyptus, which shares a monoterpene with some cannabis strains, on wine grapes. But in handpicking this information, Chytilo failed to reference certified lab results testing Pence Vineyards' wine which scientifically demonstrated zero terpenes in the wine even with a fifty-acre cannabis farm next door.

Santa Barbara County cannabis projects have faced strong opposition from county vintners, but the science is winning. As cannabis legalization surges across the U.S., cannabis farmers from Santa Barbara County hope to share scientific findings with fellow farmers, promoting neighborly conversations about the agricultural practices they live by.

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Good Farmers Great Neighbors is a collective of Santa Barbara County cannabis industry leaders who believe that Cannabis farming is good for County jobs and our local economy. We promote best practices for

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sustainable growing, a healthy community and environment, and advocate for good neighbor community engagement to dispel the myths surrounding cannabis and cannabis production to help the industry thrive.

Background:

Estimated emissions, concentrations, and deposition of monoterpenes from an outdoor Cannabis farm
<https://cosantabarbara.app.box.com/s/q97rv82305oyfnbdjhcyxrrdhu3dgkqy/file/573298155981>

Santa Barbara County Planning Commission continues appeal for Santa Ynez cannabis cultivation permit
https://santamariatimes.com/news/local/govt-and-politics/santa-barbara-county-planning-commission-continues-appeal-for-santa-ynez/article_469dfb56-d45e-531d-b4dd-e96fb3b1b257.html

How Many Wineries Are There in the United States? <https://usawineratings.com/en/blog/insights-1/how-many-wineries-are-there-in-the-united-states-37.htm>

You can now officially purchase legal marijuana in Michigan. Here are all the states where marijuana is legal.
<https://www.businessinsider.com/legal-marijuana-states-2018-1>