

PROPOSED 2021 INDUSTRIAL HEMP AGRICULTURAL RESEARCH PROJECT
EL DORADO COUNTY

SOMERSET GOURMET FARM
6540 PERRY CREEK ROAD
SOMERSET, CALIFORNIA 95684

PURPOSE:

To conduct a preliminary research study on the influence of Industrial Hemp in wine grapes. In collaboration with Dr. Anita Oberholster, UC Davis Extension, Viticulture Department, we propose to interplant 500 Industrial Hemp plants in our FairPlay Appellation Zinfandel Vineyard. At various intervals, grape, air quality and meteorological samples will be measured, recorded and collected for laboratory analysis. The wine grapes harvested will be professionally made into wine. The grape analysis at harvest will be examined for any influences for the hemp planting. The wine made from those grapes will be additionally analyzed. Our project will have a control field sufficient distance from the interplanted Industrial Hemp field to allow a scientific comparative analysis.

In this proposed research study on the influence of Industrial Hemp cultivation in real-world conditions ODT air quality and meteorologic conditions will be measured and recorded at various intervals. The Industrial Hemp planting will have a 30 foot setback from the property/fence line. After the ODT's are collected, a field trial of liquid misting systems and/ or a vapor type neutralizer system will be activated to measure it's effect in the field. This analysis will provide the existing ODT's reduction on a quantified and qualified basis. Confirmation of compliance for air quality(odor) mitigation will be recorded and confirmed from the field mitigation research study.

The proposed preliminary research study will investigate harvest and post-harvest Industrial Hemp impacts on air quality by interval collection of ODT measurements. Post-drying and hemp storage air quality will be measured and recorded.

Finally, a cost analysis of the preliminary research study will be prepared to present the true or actual costs of Industrial Hemp cultivation. This input cost analysis will be used to explore possible future economic opportunities of Industrial Hemp cultivation in El Dorado County.

The El Dorado County Agricultural Commissioner and Department Staff will interface with Somerset Gourmet Farm to implement the proposed Industrial Hemp Program on site. All California Industrial Hemp Laws and Regulations will be implemented and followed. The El Dorado County Sheriff's Department will interface with Somerset Gourmet to support and implement the proposed Industrial Hemp research project. El Dorado County Planning and Building Departments will interface with Somerset Gourmet for input and review of The Project.

If the proposed Industrial Hemp Project is approved, the project will commence in June 2021. Initial Project results will be available for review in November 2021.