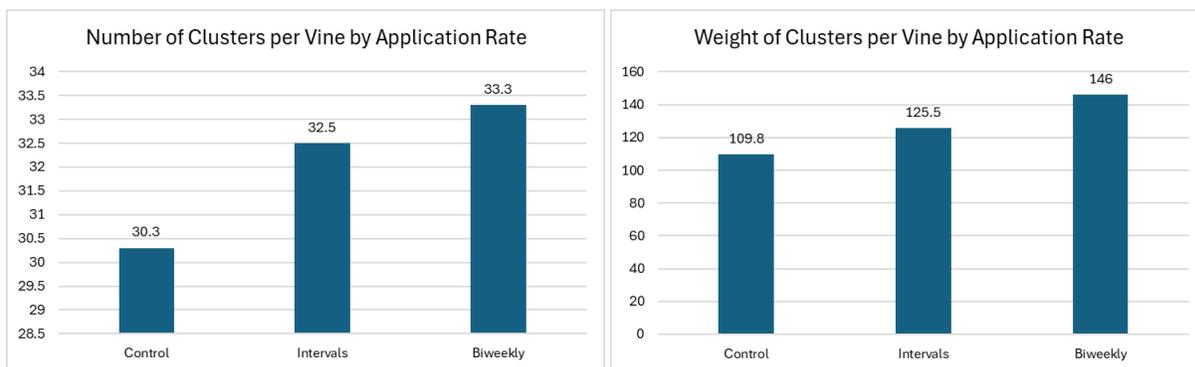


Worm Power Application Rates for Grape Vines

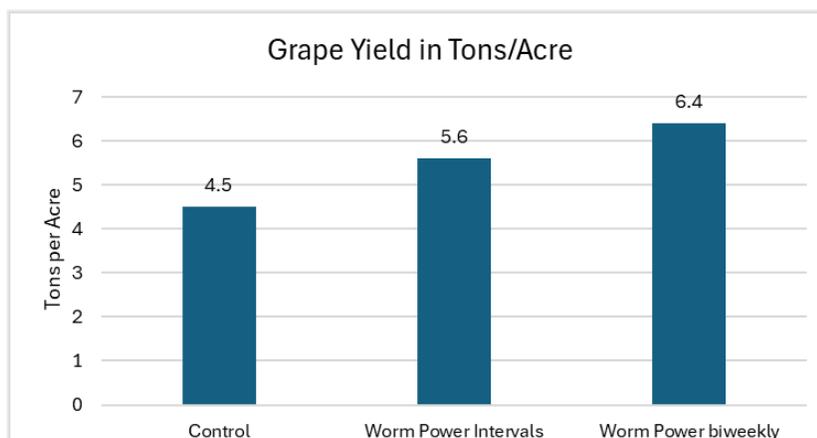
Previous studies have shown favorable results when vermicompost was applied to vineyards. With Worm Power being a reliable and proven source of liquid vermicompost, effective rates and yield increases were assessed by an independent third-party researcher.

Treatments were evaluated on 28-year-old wine grapes (Chardonnay on Freedom rootstock) in Los Alamos, CA on loamy sand soil. Applications were made with irrigation starting April 9th when soil temperatures were 58°F at a six-inch depth. Treatments were a control without Worm Power, Worm Power at 5 gallons per acre (applied at bud break, flowering, and berry set), and Worm Power at 2 gallons per acre applied every other week. Total volumes were 15 gallons of Worm Power applied based on growth stage intervals and 20 gallons of Worm Power at biweekly applications.

Growth observations showed no physical differences in plant appearance or change in brix content. Cluster number and weight increases were observed. Interval applications increased the cluster number by **7.3%** and cluster weight **14.3%**. Biweekly applications increased cluster number by **10%** and cluster weight by **33%**.



Yield increased for both applications of Worm Power, but biweekly applications resulted in the highest yields. Total tonnage increase was **24%** for applications based on growth stage and **42%** increase in tonnage when Worm Power was applied biweekly.



Both Worm Power applications increased total grape yield. The recommended program rate is 2 gallons of Worm Power per acre applied every other week starting at bud break.