



# AQUAFIX Inc.

*Innovations in  
wastewater treatment.*

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## TECHNICAL UPDATE

# VITASTIM WINERY

VitaStim Winery introduces micronutrients and biostimulants to significantly increase BOD reduction, keep bacteria thriving in low food conditions, and bring wineries back into compliance. This will lower the need for maintenance and allow for the reuse of water.

Winery wastewater struggles to keep a sustainable operation because of their variable production stages. The loading can shift from almost nothing to incredible high points. The organic loading during the racking stage can be 10 times as much as municipal wastewater. When a loading that massive shifts into almost nothing, it causes upsets in the bacterial environment, which immediately leads to permit violations in TSS, ammonia, and BOD.



Among these pressing concerns, wineries are being forced to upgrade their wastewater process to meet the changing demands on environmental compliance. Septic systems and traditional wastewater lagoons are failing to lower BOD, TSS, and tannin levels. Introducing VitaStim Winery can save older or failing winery wastewater systems.

Specially designed for winery and high sugar waste, VitaStim Winery has select biostimulants that give the bacteria the tools they need to break down high BOD loads. The micronutrients introduced give the biomass a fighting chance during light loads.

No matter what type of wastewater process, VitaStim Winery will benefit it. VitaStim Winery will keep the bacterial environment in check by introducing the right amount of biostimulants to lower BOD during heavy production and keep the bacteria alive during light. This will lower labor costs and allow wineries to reuse water, pushing the idea of a greener, more sustainable winery.

### Advantages and Benefits

- Significantly Lowers BOD and Tannin Levels
- Keep Bacteria Thriving During Light Loads
- Lowers labor and Maintenance
- Reuse and Save on Water
- Keeps Winery In Compliance



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## DOSE RATES

**Initial Dose or High Loading:** Add 2# per 100,000 gpd for 10 days

**Maintenance Dose:** Add 1/2# per 100,000 gpd per day.