

WINERIES WASTEWATER SYSTEM OPTIMIZATION

Improve Biological Performance,
Reduce Solids and Fats Accumulation,
and Enhance Treatment Efficiency in
Winery Wastewater Systems



COMMON CHALLENGES



High BOD, COD, TSS, and
highly variable seasonal flows



High organic loading from
sugars, alcohols, and pulp



Foaming, bulking, and poor
settling in treatment systems



Strong odors and H₂S
production



Peak loads during harvest
and crush



Permit compliance and
discharge limits



High sludge hauling
and disposal costs



Aging infrastructure and
operational constraints



APPLICATIONS

- Equalization and holding tanks
- Aeration basins (activated sludge)
- SBR, MBR, and MBBR systems
- DAF and primary clarification systems
- Lagoons and oxidation ditches
- Sludge holding and storage tanks
- Reuse and water conservation systems



HOW DRYLET HELPS

Drylet's patented porous carrier technology delivers high-performance microorganisms directly into winery wastewater systems where biological activity is needed most. The protective microhabitat shields microbes from temperature swings, pH shifts, and toxic compounds, allowing them to remain active and effective.

In winery operations, this enhanced biological activity improves the breakdown of sugars, alcohols, and organic compounds, reduces odors and H₂S, improves settling and clarifier performance, and increases overall treatment efficiency—helping you meet discharge limits, reduce costs, and sustainably protect our water resources.

Drylet supports lower operating costs, fewer upsets, and helps extend the life of your wastewater infrastructure.



KEY BENEFITS

- ✓ Reduces BOD, COD, TSS, sugars, and alcohols
- ✓ Reduces odors and H₂S
- ✓ Prevents foam and scum formation
- ✓ Improves settling and clarifier performance
- ✓ Enhances biological stability and process resilience
- ✓ Helps maintain compliance and avoid violations
- ✓ Lowers sludge hauling and disposal costs
- ✓ Improves system efficiency and capacity
- ✓ No chemicals or enzymes
- ✓ Safe for the environment and aquatic life
- ✓ Non-pathogenic and non-GMO

WHY DRYLET?



Patented porous
carrier technology



No harsh chemicals
or enzymes



Proven biological
performance



Supports long-term
system stability

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