

ERTEC Environmental Systems

Protecting Global Lands and Waterways™

Case Study

ProWattle™

Vineyard Operations



- > Lower Operational Costs
- > Better Performance
- > Sustainable—Zero Waste
 - ✓Recycled
 - ✓Reusable
 - ✓Recyclable



Velocity check for ditch or channel



Swale Protection

Application:

Vineyard Ops, Sediment & Erosion Control

Product:

ERTEC ProWattle™

Customer:

Kunde Family Estates Vineyard, Kenwood, CA

SWPPP contact:

Steve Thomas, Director Vineyard Operations

Date:

Fall, Winter 2010, 2011 and continuing

ERTEC ProWattle™ is ideal for Vineyard Operations as a replacement for traditional devices such as silt fence and wattles. **Its advantages are significant. It can be reused multiple times over multiple seasons. It is higher performing, lower cost, and zero waste.** ProWattle™ is designed to protect slopes, swales & perimeters from erosion and dramatically reduces logistics, installation and maintenance costs. ProWattle™ is fast to install and unlike straw wattles and silt fence, it spreads rather than concentrates flow.



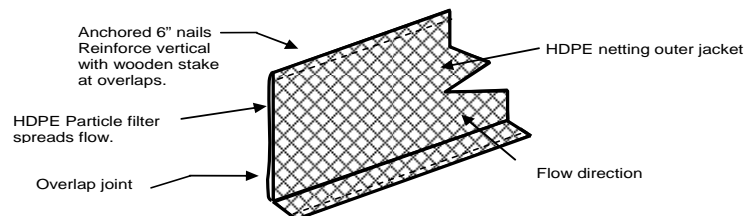
The Challenge: The current best practice in vineyards is to use either silt fence or wattles to keep soil in-place. Wattles and silt fence can become ineffective by allowing damming and undercutting. As the straw or fence material decays, storm water flow-through and overtopping becomes common. Straw wattles and silt fence are short term single-use, then throw-away items.



Results: "ProWattle™ is great as a velocity check

on our dirt roads. ProWattle has a memory and can take abuse, a distinct advantage for field operations during the winter. We use 4 wheelers to access the vineyard roads and can drive over them without having to stop and remove/reinstall or drive around. ProWattle™ is easy to install, remove, store and then reinstall. I'm into the second season with the same material. We removed most of the ProWattle™ during the summer, stored it inside, then reinstalled it again this year. The upfront cost is higher but the savings are substantial. It's so much easier to work with. I don't know why anyone would use regular straw wattles. I'm going to buy some every year until I have enough for all our needs." - Steve Thomas, Director of Operations—Kunde Family Estates

ERTEC is Caltrans approved and included in the CASQA online Construction BMP Manual



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Several U.S. and Int'l Patents apply

H329354 updated: 11/11