

CCVT'S CLEAN WATER PROJECT

BR Vineyard Demonstration Site Summary



(Demo Area Prior to BMP)



(Demo Area After BMP)

Clean Water Project Summary

Historical Erosion Issues:	There are many bare roads within the vineyards. Several of the bare roads are eroding and contribute to the culverts along the back of the vineyard.
Demonstration Site Goals:	Reduce erosion along the roads and in nearby culverts.
Best Management Practice (BMP) Implementation:	Drill a perennial road mix along the back roads and sides at a rate of 25 lbs/acre. Cover with straw.
Demo Site Acreage:	5
Year 1 BMP Imp. & Main. Cost:	NA ¹
Year 1 BMP Imp. & Main. Cost (per acre):	NA
Year 2 BMP Imp. & Main. Cost:	\$607.00
Year 2 BMP Imp. & Main. Cost (per acre):	\$121.40
Challenges and Successes	
Challenges Associated with Implementation of BMP:	None.
Challenges with Maintaining BMP:	Keeping traffic to a minimum along the road while the seeds were getting established.
Misc. Challenges Associated with the Demonstration Site:	There was very little rain during the time that the seeds were trying to get established. In addition, very little water was applied to the area.
Success of BMP:	The seeds planted along the sides of the road got established and came up to heights between 6 and 12 inches. Coverage of the sides was between 40 and 50%.

PPS² Score (out of 1,000 points):

Year 1:	NA
Year 2:	835
Increase:	NA

RUSLE³ 2 Score (soil loss):	(Tons/Acre/Year)	(Tons/Demo Site)
Before BMP Implementation:	NA ⁴	NA
After BMP Implementation:	NA	NA
Decrease:	NA	NA

Notes:

- 1 NA = BR Vineyard was not added to the project until the second year.
- 2 PPS = Positive Points System Evaluation.
- 3 RUSLE 2 = Revised Universal Soil Loss Equation.
- 4 NA = The road used as the demonstration site at Big Red Vineyard was too long to quantify for RUSLE 2.