CCVT'S CLEAN WATER PROJECT
PCK Vineyard Demonstration Summary

(Demo Area Prior to BMP)

(Demo Area After BMP)

Clean Water Project Summary	
Historical Erosion Issues:	The vineyard is located down gradient of Highway 101. Water runs off the Hwy through the vineyard creating numerous channels and gullies. In addition, the clays and clay loams cause the ground to saturate quickly during storm events causing puddles up to several feet deep.
Demonstration Site Goals:	Grass one of the bare, dirt roads to reduce water and sediment runoff.
Best Management Practice (BMP) Implementation:	Hand broadcast barley at a rate of 90 lbs/acre along road. Cover with straw.
Demo Site Acreage:	2
Year 1 BMP Imp. & Main. Cost:	$225.20
Year 1 BMP Imp. & Main. Cost (per acre):	$112.60
Year 2 BMP Imp. & Main. Cost:	$236.65
Year 2 BMP Imp. & Main. Cost (per acre):	$118.33

Challenges and Successes	
Challenges Associated with Implementation of BMP:	During the time that the BMP was to be implemented there was a change in vineyard managers. Therefore, the BMP was implemented later than planned and did not have a chance to fully develop.
Challenges with Maintaining BMP:	The road was driven on before the barley had a chance to get completely established. Therefore, reduce the percent cover.
Misc. Challenges Associated with the Demonstration Site:	Keeping field staff from driving along the road.
Success of BMP:	The barley came up to heights of 6 to 12 inches, and covered approximately 20 to 40% of the area.

PPS[1] Score (out of 1,000 points):		
Year 1:	881	
Year 2:	819	
Increase:	NA[2]	
RUSLE[3] 2 Score (soil loss):	(Tons/Acre/Year)	(Tons/Demo Site)
Before BMP Implementation:	42.00	84.00
After BMP Implementation:	0.21	0.42
Decrease:	41.79	83.58

Notes:

1 PPS = Positive Points System.

2 NA = Not applicable. There was a switch in vineyard managers between year one and two. No obvious reason for the

3 RUSLE 2 = Revised Universal Soil Loss Equation.