

USLE LAYOUT AND PRACTICE ALTERNATIVES

A=(R)(K)(LS)(C)(P)

Gregory & Karen Crouse Vineyards
APN 034-100-020
1801 Mount Veeder Road

SOIL TYPE: Varies
TOLERANCE: 2
DATE: 6/24/2008
Tons/acre-year

(3,4,5,6,7,8)

		Block A (2) #178 and #179 1.16		Block C #136 0.34		Block D #136 2.15		Block E #136 1.85		Block F #136 4.18	
FACTOR:	DESCRIPTION										
R	Rainfall	90		90		90		90		90	
K	Soil Erosiveness	0.32		0.25		0.20		0.20		0.20	
L	Max Slope length (ft)	40		55		150		35		90	
S	Avg Gradient	26.0 Avg.		27.0 Avg.		23.0 Avg.		42.0 Avg.		28.0 Avg.	
LS	Calculated LS	3.10		3.81		5.12		5.17		5.11	
C	Cover	0.023	80%, Non Tilled	0.023	80%, Non Tilled	0.023	80%, Non Tilled	0.023	80%, Non Tilled	0.023	80%, Non Tilled
P	Practice	0.95	cross slope	1	Up & downhill	0.95	cross slope	0.95	cross slope	0.95	along contour
A	Soil loss, tons/acre	1.95		1.96		2.01		2.04		2.01	
	Soil loss, tons	2		1		4		4		8	

		Block B (1) 4.37		3.09		0.08	
FACTOR:	DESCRIPTION	Soil #136	Soil #178 & #179	Soil #140			
R	Rainfall	90	90	90			
K	Soil Erosiveness	0.20	0.17	0.17			
L	Max Slope length (ft)	55	40	37			
S	Avg Gradient	32.0 Avg.	42.0 Avg.	6.0 Avg.			
LS	Calculated LS	4.72	5.53	0.57			
C	Cover	0.023	80%, Non Tilled	0.023	80%, Non Tilled	0.023	80%, Non Tilled
P	Practice	1	Up & downhill	1	Up & downhill	1	Up & downhill
A	Soil loss, tons/acre	1.95		1.95		0.20	
	Soil loss, tons	9		6		0	

A=(R) (K) (LS) (C) (P)