Water Erosion Prediction
Revised Universal Soil Loss Equation
A = RKLSCP

Cooperator: _____ Soil: _____ K_f: _____ Hydrologic Group: _____

Date: _____ Planner: _____ EI_{10}: ____

Field: _____ Tillage and Timing: _____

_____

R Calculation		K Calculation			LS Calculation					C Calculation			
R Value Figure 2	Req Value Table 2	K Factor Zone Figure 5	Adjust K Yes/No	Adj. K Table 3	Slope (%)	Slope Length (ft)	If Cmplx Slope See Pg. 3	LS Table Used 4-7	LS Value Table 4-7	C Factor Zone Figure 7	Crop	C	If Multiyr. Rotation See Pg. 3

Notes:

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P Calculation - See Pg. 3 for Contour Subfactors						Soil Loss (A) = R x K x LS x C x P							
Contour P Factor	Stripcrop P Factor	Terrace P Factor	Drain P Factor	Overall P Factor		R or Req	K	Length Slope	% Slope	LS	C	P	Soil Loss A

Notes:

Calculation of Complex Slopes
Calculation of Multiyear C Factors

Complex Slope Calculation					
Segment Number	Gradient Percent	LS Tables 4/5	Slope Length Exponent Table 8	Soil Loss Factor Table 9	LS For Segment
				Total LS =	
				Avg. LS =	

Multiyear C Factor Calculation	
Year	C Factor
Total	
Avg. C	

P Subfactor Values for Contouring								
Soil Hydrolog. Group	Row/ Furrow Grade	Landscape Slope Percent	EI_{10} Figure 8	Cover Mgt Condition Table 13	Ridge Height Table 14	P Factor On-Grade D64-D119	Ratio of Furrow to Slope	Contour P Value Table 15

Critical Slope Length Determination			
Site	Critical	P Adj. If	
Slope	Slope	Slope >	
Length	Length	Critical	
(From LS)	Fig 1 - 35	Fig 36 - 38	