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New Beginnings – Soil Loss Calculations

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Soil Loss Calculations without Controls

E (Soil Loss) = (R)(K)(LS)(C)(P) = (300)(0.43)(1.37)(0.45)(1) = 79.53 Tons/Acre/Year

R = 300 (Rainfall Factor)

K = 0.43 (Soil Type (Ap))

LS = 1.37 (10% slope for 100ft)

C = 0.45 (No Canopy)

P = 1 (No conservation Practice)

Soil Loss Calculations with Controls

E (Soil Loss) = (R)(K)(LS)(C)(P) = (300)(0.43)(1.37)(0.12)(0.6) = 12.72 Tons/Acre/Year

R = 300 (Rainfall Factor)

K = 0.43 (Soil Type (Ap))

LS = 1.37 (10% slope for 100ft)

C = 0.12 (2 tons/acre Loose Straw or Hay)

P = 0.6 (Silt Fence)