2021 CSEM/PSAS 446 Soil and Water Conservation

Prediction Models – USLE Exercise

Name _____

Using the USLE booklet, complete the table below. The farm is in Jefferson County, Illinois. The planning soil type is Bonnie. The field is in high management. Previous crop was soybeans. Corn is no-tilled followed by soybeans, fall chisel, and spring secondary tillage, narrow rows. The field has a 4% slope, 500 feet long.

R	K	T	LS	Percent residue	C	Soil loss t/ac/yr
				20		
				30		
				40		

What C factor would you need for this field to reach T?

What rotation/tillage system could you use to reach T?