

Table C-7 - "C" Factor Values for Kansas Grasslands

The "C" factor values in the following table represents values that might typically be found in Kansas grasslands. These factors are to be used for determining soil loss in long term permanent vegetative cover. These factors should not be used for cropping rotations that include a grass or meadow as part of the cropping sequence.

The factors take into consideration the effectiveness of the biomass development in the surface 4 inches of the soil. They also represent a 25 percent canopy cover at a height of 4 inches with no mechanical soil disturbance.

Tall Grass Prairie					
Site production	Biomass	Soil Surface Cover			
	Produced	25	50	75	
High	5000-7000	0.03	0.01	0.01	
Medium	3000-5000	0.05	0.02	0.01	
Low	1000-3000	0.08	0.03	0.01	
Short Grass Prairie					
Site production	Biomass	Soil Surface Cover			
	Produced	25	50	75	
High	2000-3000	0.02	0.01	0.01	
Medium	1250-2000	0.04	0.02	0.01	
Low	750-1250	0.06	0.03	0.01	
Pasture - Bunch Grass					
Site production	Biomass	Soil Surface Cover			
	Produced	25	50	75	
High	5000-7000	0.01	0.01	0.01	
Medium	3000-5000	0.02	0.01	0.01	
Low	1000-3000	0.05	0.01	0.01	
Pasture - Sod Forming Grass or Grass with weeds					
Site production	Biomass	Soil Surface Cover			
	Produced	25	50	75	
High	5000-7000	0.01	0.01	0.01	
Medium	3000-5000	0.01	0.01	0.01	
Low	1000-3000	0.02	0.01	0.01	

All values shown assume: (1) random distribution of mulch or vegetation, and (2) mulch of appreciable depth where it exists.