

APPENDIX A
SOIL POTENTIAL FOR SURFACE LOSS AND LEACHING
FRANKLIN COUNTY, KANSAS

Map Unit Symbol	Map Unit Name	Component Name	Pesticides*		Nutrients
			Leaching Potential	Adsorbed Solution Loss**	Leachin Index (NO3)***
BC	BATES LOAM, 1 TO 4 PERCENT SLOPES	BATES			7
BD	BATES-COLLINSVILLE LOAMS, 3 TO 7 PERCENT SLOPES	BATES			7
BD	BATES-COLLINSVILLE LOAMS, 3 TO 7 PERCENT SLOPES	COLLINSVILLE			3
BH	BATES-COLLINSVILLE LOAMS, 7 TO 12 PERCENT SLOPES	BATES			7
BH	BATES-COLLINSVILLE LOAMS, 7 TO 12 PERCENT SLOPES	COLLINSVILLE			3
BO	BOLIVAR-HECTOR LOAMS, 2 TO 6 PERCENT SLOPES	BOLIVAR			7
BO	BOLIVAR-HECTOR LOAMS, 2 TO 6 PERCENT SLOPES	HECTOR			3
BS	BOLIVAR-HECTOR LOAMS, 6 TO 12 PERCENT SLOPES	BOLIVAR			7
BS	BOLIVAR-HECTOR LOAMS, 6 TO 12 PERCENT SLOPES	HECTOR			3
CM	CLARESON-ERAM SILTY CLAY LOAMS, 3 TO 15 PERCENT SL	CLARESON			4
CM	CLARESON-ERAM SILTY CLAY LOAMS, 3 TO 15 PERCENT SL	ERAM			4
DC	DENNIS SILT LOAM, 2 TO 5 PERCENT SLOPES	DENNIS			4
DN	DENNIS-BATES COMPLEX, 2 TO 6 PERCENT SLOPES	DENNIS			4
DN	DENNIS-BATES COMPLEX, 2 TO 6 PERCENT SLOPES	BATES			7
DO	DENNIS-BATES COMPLEX, 3 TO 6 PERCENT SLOPES, ERODE	DENNIS			4
DO	DENNIS-BATES COMPLEX, 3 TO 6 PERCENT SLOPES, ERODE	BATES			7
EA	ERAM-LEBO SILTY CLAY LOAMS, 7 TO 12 PERCENT SLOPES	ERAM			4
EA	ERAM-LEBO SILTY CLAY LOAMS, 7 TO 12 PERCENT SLOPES	LEBO			7
EC	ERAM-LULA COMPLEX, 3 TO 7 PERCENT SLOPES	ERAM			4
EC	ERAM-LULA COMPLEX, 3 TO 7 PERCENT SLOPES	LULA			7
KE	KENOMA SILT LOAM, 1 TO 4 PERCENT SLOPES	KENOMA			
LE	LEANNA SILT LOAM	LEANNA			3
LN	LEBO-ROCK OUTCROP COMPLEX, 20 TO 40 PERCENT SLOPES	LEBO			7
LO	LULA SILT LOAM, 0 TO 2 PERCENT SLOPES	LULA			7
MB	MASON SILT LOAM	MASON			7
OE	OLPE-KENOMA COMPLEX, 1 TO 5 PERCENT SLOPES	OLPE			4
OE	OLPE-KENOMA COMPLEX, 1 TO 5 PERCENT SLOPES	KENOMA			
OS	OSAGE SILTY CLAY LOAM	OSAGE			11
OV	OSAGE SILTY CLAY	OSAGE			
SN	SUMMIT SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	SUMMIT			
SO	SUMMIT SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES	SUMMIT			4
VB	VERDIGRIS SILT LOAM	VERDIGRIS			7
VC	VERDIGRIS SILT LOAM, CHANNELED	VERDIGRIS			7
WB	WELDA SILT LOAM, 2 TO 6 PERCENT SLOPES	WELDA			4
WO	WOODSON SILT LOAM, 0 TO 1 PERCENT SLOPES	WOODSON			3
WS	WOODSON SILT LOAM, 1 TO 2 PERCENT SLOPES	WOODSON			3

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* VL=Very Low L=Low I=Intermediate H=High

** If slope range of the map unit encompasses 15 percent slopes (example: 6 to 30 percent slopes) and the field in question has a slope range of, for example 12 percent slopes, then reduce the surface loss one class.

*** If the area is irrigated above the plant need, add the excess acre inches of water used to the above number. Leaching index less than 2 has a low potential for nutrients leaching below the root zone. Leaching index between 2 and 10 inches may contribute to soluble nutrients leaching below the root zone. Leaching index greater than 10 inches has a high potential for soluble nutrients leaching below the root zone. Soils with apparent water table above depth of 6 feet were given a LI of 11.