

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

Map Unit Symbol	Map Unit Name	Component Name	Pesticides*		Nutrients
			Leaching Potential	Adsorbed Loss**	Solution Loss**
BE	BENFIELD-FLORENCE COMPLEX, 5 TO 30 PERCENT SLOPES	BENFIELD			2
BE	BENFIELD-FLORENCE COMPLEX, 5 TO 30 PERCENT SLOPES	FLORENCE			2
CC	CLIME SILTY CLAY LOAM, 20 TO 40 PERCENT SLOPES, VERY STONY	CLIME			2
CF	CLIME-SOQN SILTY CLAY LOAMS, 5 TO 20 PERCENT SLOPES	CLIME			2
CF	CLIME-SOQN SILTY CLAY LOAMS, 5 TO 20 PERCENT SLOPES	SOQN			0
CR	CRETE SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	CRETE			2
CS	CRETE SILTY CLAY LOAM, 1 TO 4 PERCENT SLOPES	CRETE			2
CT	CRETE SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	CRETE			2
EU	EUDORA SILT LOAM, OCCASIONALLY FLOODED	EUDORA			4
GE	GEARY SILT LOAM, 3 TO 8 PERCENT SLOPES	GEARY			4
GF	GEARY SILT LOAM, 7 TO 15 PERCENT SLOPES	GEARY			4
HE	HAYNIE SILT LOAM, FREQUENTLY FLOODED	HAYNIE			4
HF	HOBBS SILT LOAM, CHANNELED	HOBBS			
HG	HOBBS SILT LOAM, OCCASIONALLY FLOODED	HOBBS			4
HM	HOLDER SILT LOAM, 1 TO 3 PERCENT SLOPES	HOLDER			
HO	HOLDER SILT LOAM, 3 TO 7 PERCENT SLOPES	HOLDER			
ID	IRWIN SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES	IRWIN			
KA	KAHOLA SILT LOAM, CHANNELED	KAHOLA			
KB	KAHOLA SILT LOAM, OCCASIONALLY FLOODED	KAHOLA			
KO	KONZA SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	KONZA			0
LM	LADYSMITH SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	LADYSMITH			0
LO	LONGFORD LOAM, 1 TO 3 PERCENT SLOPES	LONGFORD			2
MB	MCCOOK SILT LOAM, OCCASIONALLY FLOODED	MCCOOK			4
MC	MCCOOK SILT LOAM, RARELY FLOODED	MCCOOK			4
MK	MCCOOK-SMOKYHILL SILT LOAMS, OCCASIONALLY FLOODED	MCCOOK			4
MK	MCCOOK-SMOKYHILL SILT LOAMS, OCCASIONALLY FLOODED	SMOKYHILL			2
MU	MUIR SILT LOAM, RARELY FLOODED	MUIR			4
OC	ORTHENTS	ORTHENTS			0
RA	READING SILT LOAM, 0 TO 1 PERCENT SLOPES	READING			4
RE	READING SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	READING			4
SA	SARPY LOAMY FINE SAND, 0 TO 4 PERCENT SLOPES	SARPY			8
SH	SOLOMON SILTY CLAY, OCCASIONALLY FLOODED	SOLOMON			11
ST	SUTPHEN SILTY CLAY, OCCASIONALLY FLOODED	SUTPHEN			0
TN	TULLY SILTY CLAY LOAM, 1 TO 4 PERCENT SLOPES	TULLY			2
TO	TULLY SILTY CLAY LOAM, 3 TO 8 PERCENT SLOPES	TULLY			2
VC	VALENTINE LOAMY FINE SAND, 5 TO 15 PERCENT SLOPES	VALENTINE			8
WE	WELL-ORTELO COMPLEX, 1 TO 4 PERCENT SLOPES	WELLS			4
WE	WELL-ORTELO COMPLEX, 1 TO 4 PERCENT SLOPES	ORTELO			4
WF	WELLS-ORTELO COMPLEX, 4 TO 8 PERCENT SLOPES	WELLS			4
WF	WELLS-ORTELO COMPLEX, 4 TO 8 PERCENT SLOPES	ORTELO			4

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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.