

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

Map Unit Symbol	Map Unit Name	Component Name	Pesticides*		Nutrients	
			Leaching Potential	Adsorbed Loss**	Solution Loss**	Leaching Index (N03)***
AN	ALLUVIAL LAND	KENNEBEC				11
BK	BREAKS-ALLUVIAL LAND COMPLEX	BREAKS				3
BK	BREAKS-ALLUVIAL LAND COMPLEX	ALLUVIAL LAND				6
BR	BROKEN ALLUVIAL LAND	FLUVENTS				
DM	DWIGHT-MARTIN SILTY CLAY LOAMS, 1 TO 3 PERCENT SLOPES	DWIGHT				2
DM	DWIGHT-MARTIN SILTY CLAY LOAMS, 1 TO 3 PERCENT SLOPES	MARTIN				3
DS	DWIGHT SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	DWIGHT				2
DW	DWIGHT SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	DWIGHT				2
EL	ELMONT SILT LOAM, 3 TO 7 PERCENT SLOPES	ELMONT				6
EM	ELMONT SILT LOAM, 3 TO 7 PERCENT SLOPES, ERODED	ELMONT				6
EN	ELMONT SILT LOAM, 7 TO 12 PERCENT SLOPES	ELMONT				6
EO	ELMONT SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED	ELMONT				6
ES	EUDORA SANDY LOAM, SANDY VARIANT, 1 TO 3 PERCENT SLOPES	EUDORA				6
ET	EUDORA SILT LOAM	EUDORA				6
EU	EUDORA SOILS, 6 TO 12 PERCENT SLOPES, ERODED	EUDORA				6
EV	EUDORA-KIMO COMPLEX	EUDORA				6
EV	EUDORA-KIMO COMPLEX	KIMO				11
EW	EUDORA-KIMO COMPLEX, OVERWASH	EUDORA				6
EW	EUDORA-KIMO COMPLEX, OVERWASH	KIMO				11
	GYMER SILT LOAM, 3 TO 8 PERCENT SLOPES	GYMER				3
GY	GYMER SILT LOAM, 3 TO 8 PERCENT SLOPES, ERODED	GYMER				3
KB	KENNEBEC SILT LOAM	KENNEBEC				11
KC	KENNEBEC SILT LOAM, CLAYEY SUBSTRATUM	KENNEBEC				11
KH	KIMO SILTY CLAY LOAM	KIMO				11
KO	KIMO SOILS, DEPRESSIONAL	KIMO				11
KS	KIPSON-SOGRN COMPLEX	KIPSON				
KU	KONAWA FINE SANDY LOAM, 4 TO 8 PERCENT SLOPES	KONAWA				6
KW	KONAWA FINE SANDY LOAM, 8 TO 12 PERCENT SLOPES	KONAWA				
LA	LABETTE SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	LABETTE				3
LB	LABETTE SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES	LABETTE				
LC	LABETTE SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES, ERODED	LABETTE				3
LD	LADYSMITH SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	LADYSMITH				2
LM	LADYSMITH SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	LADYSMITH				2
LS	LADYSMITH SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES, ERODED	LADYSMITH				2
MB	MARTIN SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	MARTIN				
MC	MARTIN SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES	MARTIN				
ME	MARTIN SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED	MARTIN				3
MF	MARTIN SILTY CLAY LOAM, 7 TO 11 PERCENT SLOPES	MARTIN				3
MH	MARTIN SILTY CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED	MARTIN				3
MK	MARTIN SOILS, 3 TO 7 PERCENT SLOPES, SEVERELY ERODED	MARTIN				3
MM	MORRILL CLAY LOAM, 3 TO 8 PERCENT SLOPES	MORRILL				6

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MN	MORRILL CLAY LOAM, 3 TO 8 PERCENT SLOPES, ERODED	MORRILL				6
MO	MORRILL CLAY LOAM, 8 TO 12 PERCENT SLOPES	MORRILL				6
MP	MORRILL-GRAVELLY LAND COMPLEX, 4 TO 12 PERCENT SLOPES	MORRILL				6
MR	MUIR SILT LOAM	MUIR				6
PA	PAWNEE CLAY LOAM, 0 TO 3 PERCENT SLOPES	PAWNEE				2
PC	PAWNEE CLAY LOAM, 3 TO 7 PERCENT SLOPES	PAWNEE				2
PE	PAWNEE CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED	PAWNEE				2
PN	PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES	PAWNEE				2
RE	READING SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	READING				6
SA	SARPY SAND	SARPY				10
SE	SARPY-EUDORA COMPLEX, OVERWASH	SARPY				10
SE	SARPY-EUDORA COMPLEX, OVERWASH	EUDORA				6
SG	SHARPSBURG SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	SHARPSBURG				6
SH	SHARPSBURG SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES	SHARPSBURG				6
SK	SHELBY CLAY LOAM, 1 TO 3 PERCENT SLOPES	SHELBY				6
SM	SHELBY CLAY LOAM, 3 TO 8 PERCENT SLOPES	SHELBY				6
SN	SHELBY CLAY LOAM, 3 TO 8 PERCENT SLOPES, ERODED	SHELBY				6
SO	SHELBY CLAY LOAM, 8 TO 12 PERCENT SLOPES	SHELBY				6
SP	SHELLABARGER FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	SHELLABARGER				6
SR	SHELLABARGER FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, ERODED	SHELLABARGER				6
SS	SHELLABARGER FINE SANDY LOAM, 8 TO 12 PERCENT SLOPES	SHELLABARGER				6
ST	SIBLEYVILLE LOAM, 3 TO 7 PERCENT SLOPES	SIBLEYVILLE				6
SU	SIBLEYVILLE LOAM, 7 TO 11 PERCENT SLOPES	SIBLEYVILLE				6
SV	SOGN-VINLAND COMPLEX	SOGN				2
SV	SOGN-VINLAND COMPLEX	VINLAND				2
VN	VINLAND SILTY CLAY LOAM	VINLAND				2
WA	WABASH SILTY CLAY	WABASH				11
WB	WABASH SILTY CLAY LOAM	WABASH				11
WE	WELDA SILT LOAM, 4 TO 10 PERCENT SLOPES	WELDA				

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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.