

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

Map Unit Symbol	Map Unit Name	Component Name	Pesticides*		Nutrients
			Leaching Potential	Adsorbed Loss**	Solution Loss**
AA	ALBION SANDY LOAM, 0 TO 1 PERCENT SLOPES	ALBION			3
AB	ALBION SANDY LOAM, 1 TO 3 PERCENT SLOPES	ALBION			3
AC	ALBION SANDY LOAM, 3 TO 6 PERCENT SLOPES	ALBION			3
AD	ALBION SANDY LOAM, 6 TO 15 PERCENT SLOPES	ALBION			3
BA	BLANKET SILT LOAM, 0 TO 1 PERCENT SLOPES	BLANKET			0
BB	BLANKET SILT LOAM, 1 TO 3 PERCENT SLOPES	BLANKET			0
BC	BLANKET SILTY CLAY LOAM, 1 TO 4 PERCENT SLOPES, ER	BLANKET			0
CA	CANADIAN FINE SANDY LOAM	CANADIAN			3
CB	CARWILE FINE SANDY LOAM	CARWILE			0
CC	CASE-CLARK CLAY LOAMS, 2 TO 6 PERCENT SLOPES	CASE			3
CC	CASE-CLARK CLAY LOAMS, 2 TO 6 PERCENT SLOPES	CLARK			3
CD	CASE-CLARK CLAY LOAMS, 6 TO 15 PERCENT SLOPES	CASE			3
CD	CASE-CLARK CLAY LOAMS, 6 TO 15 PERCENT SLOPES	CLARK			3
CE	CLARK CLAY LOAM, 0 TO 1 PERCENT SLOPES	CLARK			3
CF	CLARK CLAY LOAM, 1 TO 4 PERCENT SLOPES	CLARK			3
DA	DILLWYN-PLEVNA COMPLEX	DILLWYN			11
DA	DILLWYN-PLEVNA COMPLEX	PLEVNA			
FA	FARNUM SANDY LOAM, 0 TO 2 PERCENT SLOPES	FARNUM			3
FB	FARNUM LOAM, 0 TO 1 PERCENT SLOPES	FARNUM			3
FC	FARNUM LOAM, 1 TO 3 PERCENT SLOPES	FARNUM			
FD	FARNUM LOAM, 3 TO 6 PERCENT SLOPES	FARNUM			
FF	FARNUM CLAY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	FARNUM			
FF	FARNUM-NATRUSTOLLS COMPLEX, 0 TO 1 PERCENT SLOPES	FARNUM			
KA	KASKI LOAM	KASKI			3
	KINGMAN SILTY CLAY LOAM	KINGMAN			11
LA	LINCOLN LOAMY SAND	LINCOLN			11
MA	MCLAIN SILT LOAM	MCLAIN			
NA	NASHVILLE SILT LOAM, 1 TO 3 PERCENT SLOPES	NASHVILLE			3
NB	NASHVILLE-QUINLAN COMPLEX, 5 TO 15 PERCENT SLOPES	NASHVILLE			
NB	NASHVILLE-QUINLAN COMPLEX, 5 TO 15 PERCENT SLOPES	QUINLAN			0
OA	OWENS CLAY LOAM, 1 TO 4 PERCENT SLOPES	OWENS			
PA	POND CREEK SILT LOAM, 1 TO 3 PERCENT SLOPES	POND CREEK			3
PB	PRATT LOAMY FINE SAND, UNDULATING	PRATT			
PC	PRATT-CARWILE COMPLEX, UNDULATING	PRATT			
PC	PRATT-CARWILE COMPLEX, UNDULATING	CARWILE			
PD	PRATT-TIVOLI LOAMY FINE SANDS, ROLLING	PRATT			
PD	PRATT-TIVOLI LOAMY FINE SANDS, ROLLING	TIVOLI			
QA	QUINLAN LOAM, 1 TO 3 PERCENT SLOPES	QUINLAN			
QB	QUINLAN LOAM, 3 TO 5 PERCENT SLOPES	QUINLAN			
RA	RENFROW CLAY LOAM	RENFROW			
RB	RUELLA CLAY LOAM, 1 TO 4 PERCENT SLOPES	RUELLA			

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			Leaching Potential	Adsorbed Loss**	Solution Loss**
RC	RUELLA-ROCK OUTCROP COMPLEX, 3 TO 40 PERCENT SLOPE	RUELLA			3
SA	SHELLABARGER LOAMY SAND, 0 TO 3 PERCENT SLOPES	SHELLABARGER			3
SB	SHELLABARGER SANDY LOAM, 1 TO 3 PERCENT SLOPES	SHELLABARGER			3
SC	SHELLABARGER SANDY LOAM, 3 TO 6 PERCENT SLOPES	SHELLABARGER			3
SD	SHELLABARGER SANDY LOAM, 3 TO 6 PERCENT SLOPES, ER	SHELLABARGER			3
TA	TIVOLI FINE SAND, HILLY	TIVOLI			6
WA	WALDECK FINE SANDY LOAM	WALDECK			11
ZA	ZENDA CLAY LOAM	ZENDA			

\* 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.