

WIN-PST SPISP II  
SOIL SENSITIVITY TO PESTICIDE LOSS RATING REPORT

Soils Data Table: SOIL\_KS Sort Order: MUSYM

Shawnee County, Kansas: KS177

						SPISP II Ratings		
MUSYM/SEQ#	COMPONENT/TEXTURE/MU%	HYD	KFACT	SURFACE DEPTH	% OM	Solution Adsorbed		
						Leaching (SLP)	Runoff (SSRP)	Runoff (SARP)
045OE 1	OSKA SICL 88%	C	0.37	5"	2.5%	L	H	H
045SV 1	SIBLEYVILLE L 50%	B	0.28	7"	2.5%	I	I	I
045SX 1	ROCK OUTCROP UWB 60%		0.00	5"	0.0%	?	?	?
045SX 2	VINLAND SICL 26%	D	0.32	7"	3.0%	V	H	H (s)
045VM 1	VINLAND SICL 40%	D	0.32	7"	3.0%	V	H	H
045VM 2	MARTIN SICL 25%	C	0.37	9"	3.0%	H (w)	H	H
045WS 1	WOODSON SIL 90%	D	0.43	11"	3.0%	H (w)	H	H
085KB 1	KENNEBEC SIL 86%	B	0.28	48"	5.5%	L	I	I
085MC 1	MARTIN SICL 48%	C	0.37	11"	3.0%	H (w)	H	H
085MC 2	VINLAND SICL 40%	D	0.32	11"	3.0%	V	H	H
085ZA 1	ZOOK SICL 90%	C	0.37	18"	3.3%	H (w)	H	H
085ZA 1	ZOOK SICL 90%	D	0.37	18"	3.3%	H (w)	H	H
087EC 1	EUDORA FSL 65%	B	0.32	6"	0.8%	H	I	I
087EC 2	BISMARCKGROVE FSL 20%	B	0.32	7"	0.8%	H	I	I
087HC 1	HAIG SICL 85%	C	0.37	9"	3.5%	H (w)	H	H
087HC 1	HAIG SICL 85%	D	0.37	9"	3.5%	H (w)	H	H
087KV 1	KONAWA FSL 35%	B	0.24	13"	0.8%	H	I	I
087RS 1	ROSSVILLE SIL 85%	B	0.28	7"	2.5%	I	I	I
087SO 1	SHELBY L 65%	B	0.28	12"	3.0%	I	I	I
087SO 2	PAWNEE CL 25%	D	0.37	14"	3.0%	H (w)	H	H
087WC 1	WABASH SICL 94%	D	0.37	19"	3.3%	H (w)	H	H
139ED 1	ELMONT L 85%	B	0.32	8"	3.0%	I	I	I
149KM 1	KIMO SIC 94%	C	0.37	22"	3.0%	H (w)	H	H
197IB 1	IRWIN SICL 80%	D	0.32	12"	3.0%	V	H	H
197IV 1	IVAN SIL 90%	B	0.32	36"	3.0%	L	I	I
197IX 1	IVAN SICL 80%	B	0.32	40"	3.0%	L	I	I
197MR 1	MORRILL L 75%	B	0.28	8"	3.0%	I	I	I
197SA 1	SARPY LS 90%	A	0.17	5"	0.6%	H	L	L

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197WF 1	WAMEGO SICL 75%	C	0.32	11"	3.0% L	H	H
197WY 1	WYMORE SICL 100%	D	0.37	8"	3.0% H (w)	H	H
2797 1	MORRILL GR-L 86%	B	0.20	10"	3.0% I	I	H (s)
AED 1	ARENTS, EARTHEN DAM 100%		0.00	0"	0.0% ?	?	?
An 1	KENNEBEC SIL 97%	B	0.28	48"	5.5% L	I	I
Bk 1	MARTIN SICL 54%	C	0.37	12"	3.0% H (w)	H	H
Bk 2	KENNEBEC SIL 43%	B	0.28	48"	5.5% L	I	I
BOA 1	BORROW AREAS 100%		0.00	0"	0.0% ?	?	?
Br 1	FLUVENTS SICL 97%		0.32	60"	1.8% ?	?	?
Dm 1	DWIGHT SICL 63%	D	0.43	5"	3.0% V	H	H
Dm 2	MARTIN SICL 33%	C	0.37	12"	3.0% H (w)	H	H
Ds 1	DWIGHT SICL 97%	D	0.43	5"	3.0% V	H	H
Dw 1	DWIGHT SICL 91%	D	0.43	5"	3.0% V	H	H
El 1	ELMONT SIL 94%	B	0.32	7"	3.0% I	I	I
Em 1	ELMONT SIL 94%	B	0.32	7"	2.0% I	I	I
En 1	ELMONT SIL 94%	B	0.32	7"	3.0% I	I	I
Eo 1	ELMONT SIL 94%	B	0.32	7"	2.0% I	I	I
Ep 1	ELMONT SICL 75%	B	0.32	7"	2.0% I	I	I
Ep 2	DWIGHT SICL 25%	D	0.43	5"	2.0% V	H	H
Es 1	EUDORA FSL 97%	B	0.20	12"	2.5% I	I	I
Et 1	EUDORA SIL 90%	B	0.32	12"	1.5% I	I	I
Eu 1	EUDORA SIL 91%	B	0.32	12"	1.5% I	I	I
Ev 1	EUDORA SIL 60%	B	0.32	12"	2.5% I	I	I
Ev 2	KIMO SICL 30%	C	0.37	6"	3.0% H (w)	H	H
Ew 1	EUDORA FSL 63%	B	0.20	12"	0.7% H	I	I
Ew 2	KIMO FSL 31%	C	0.24	8"	0.7% H (w)	H	H
Gm 1	GYMER SIL 88%	C	0.32	15"	3.0% L	H	H
Gy 1	GYMER SIL 100%	C	0.32	4"	2.0% L	H	H
INL 1	AQUOLLS VAR 100%	C	0.00	60"	0.0% ?	H	?
Kb 1	KENNEBEC SIL 97%	B	0.28	48"	4.0% L	I	I

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Kc 1	CHASE SIL 91%	C	0.28	30"	3.0% H (w)	H	H
KF 1	KENNEBEC SIL 98%	B	0.28	47"	5.5% L	I	I
Km 1	KIMO SICL 90%	C	0.37	6"	3.0% H (w)	H	H
Ko 1	KIMO SICL 97%	C	0.37	15"	3.0% H (w)	H	H
Ks 1	KIPSON SICL 50%	D	0.32	8"	2.0% V	H	H (s)
Ks 2	SOGN SICL 41%	D	0.32	10"	2.0% V	H	H (s)
KU 1	KONAWA FSL 91%	B	0.24	20"	0.8% I	I	I
KW 1	KONAWA FSL 91%	B	0.24	20"	0.8% I	I	I
La 1	LABETTE SICL 88%	C	0.37	13"	3.0% L	H	H
Lb 1	LABETTE SICL 91%	C	0.37	13"	3.0% L	H	H
Lc 1	LABETTE SICL 97%	C	0.37	4"	2.0% L	H	H
Ld 1	LADYSMITH SICL 94%	D	0.37	10"	3.0% H (w)	H	H
LIQ 1	LIMESTONE QUARRY 100%		0.00	0"	0.0% ?	?	?
Lm 1	LADYSMITH SICL 91%	D	0.37	10"	3.0% H (w)	H	H
Ls 1	LADYSMITH SICL 100%	D	0.37	6"	2.5% H (w)	H	H
Ma 1	MADE LAND 100%		0.00	0"	0.0% ?	?	?
Mb 1	MARTIN SICL 94%	C	0.37	12"	3.0% H (w)	H	H
Mc 1	MARTIN SICL 85%	C	0.37	9"	3.0% H (w)	H	H
Me 1	MARTIN SICL 97%	C	0.37	7"	2.5% H (w)	H	H
Mf 1	MARTIN SICL 90%	C	0.37	12"	3.0% H (w)	H	H
Mh 1	MARTIN SICL 91%	C	0.37	7"	2.5% H (w)	H	H
Mk 1	MARTIN SIC 94%	C	0.28	4"	1.5% H (w)	H	H
Mm 1	MORRILL CL 91%	B	0.32	17"	3.0% L	I	I
Mn 1	MORRILL CL 91%	B	0.32	6"	2.0% I	I	I
Mo 1	MORRILL CL 91%	B	0.32	17"	3.0% L	I	I
MOO 1	MORRILL L 90%	B	0.28	13"	3.0% I	I	I
Mp 1	MORRILL CL 67%	B	0.32	17"	3.0% L	I	I
Mp 2	GRAVELLY LAND GR-L 30%	C	0.24	15"	1.5% L	H	H
Mr 1	MUIR SIL 91%	B	0.32	20"	3.0% L	I	I
MRR 1	MORRILL CL 90%	B	0.28	10"	3.0% I	I	I

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Pa 1	PAWNEE CL 85%	D	0.37	19"	3.0% H (w)	H	H
Pc 1	PAWNEE CL 85%	D	0.37	14"	3.0% H (w)	H	H
Pe 1	PAWNEE CL 90%	D	0.37	14"	3.0% H (w)	H	H
Pn 1	PAWNEE CL 91%	D	0.37	19"	3.0% H (w)	H	H
RD 1	READING SIL 90%	B	0.32	15"	3.0% L	I	I
Re 1	READING SICL 91%	B	0.32	14"	3.0% I	I	I
Rv 1	RIVER WASH 100%		0.00	0"	0.0% ?	?	?
Sa 1	SARPY S 100%	A	0.15	7"	0.6% H	L	L
SAP 1	SAND PIT 100%		0.00	0"	0.0% ?	?	?
Se 1	SARPY LFS 55%	A	0.17	12"	0.7% H	L	L
Se 2	EUDORA FSL 45%	B	0.20	8"	0.8% H	I	I
Sg 1	SHARPSBURG SICL 88%	B	0.32	23"	3.5% L	I	I
Sh 1	SHARPSBURG SICL 91%	B	0.32	23"	3.5% L	I	I
Sk 1	SHELBY CL 97%	B	0.28	17"	3.0% L	I	I
Sm 1	SHELBY CL 88%	B	0.28	17"	3.0% L	I	I
Sn 1	SHELBY CL 100%	B	0.28	6"	2.0% I	I	I
So 1	SHELBY CL 91%	B	0.28	17"	3.0% L	I	I
Sp 1	MORRILL FSL 91%	B	0.28	19"	3.0% L	I	I
Sr 1	MORRILL FSL 91%	B	0.28	6"	2.0% I	I	I
Ss 1	MORRILL FSL 91%	B	0.28	19"	3.0% L	I	I
St 1	SIBLEYVILLE L 94%	B	0.32	14"	2.5% I	I	I
Su 1	SIBLEYVILLE L 94%	B	0.32	14"	2.5% I	I	I
Sv 1	SOGN SICL 60%	D	0.32	10"	2.0% V	H	H (s)
Sv 2	VINLAND SICL 28%	D	0.32	6"	3.0% V	H	H (s)
Sw 1	STONY STEEP LAND 60%		0.00	0"	0.0% ?	?	?
Sw 2	VINLAND SICL 26%	D	0.32	11"	3.0% V	H	H (s)
Vn 1	VINLAND SICL 100%	D	0.32	6"	3.0% V	H	H
W 1	WATER 100%		0.00	0"	0.0% ?	?	?
Wa 1	WABASH SIC 90%	D	0.28	16"	3.3% H (w)	H	H
Wb 1	WABASH SICL 88%	D	0.28	16"	3.3% H (w)	H	H

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We 1	WELDA SIL 97%	C	0.37	12"	0.8% L	H	H
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H -- High  
I -- Intermediate  
L -- Low  
V -- Very Low

Conditions that affect ratings:

- m -- There are macropores in the surface horizon deeper than 24"
- w -- The high water table comes within 24" of the surface during the growing season
- s -- The field slope is greater than 15%

SPISP II S-Ratings:

- SLP -- Soil Leaching Potential
- SSRP -- Soil Solution Runoff Potential
- SARP -- Soil Adsorbed Runoff Potential