

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

Soils Data Table: SOIL\_KS Sort Order: MUSYM

Wabaunsee County, Kansas: KS197

|            |                       |     |       |                  |      | SPISP II Ratings |                  |                  |
|------------|-----------------------|-----|-------|------------------|------|------------------|------------------|------------------|
| MUSYM/SEQ# | COMPONENT/TEXTURE/MU% | HYD | KFACT | SURFACE<br>DEPTH | % OM | Leaching         | Solution         | Adsorbed         |
|            |                       |     |       |                  |      | (SLP)            | Runoff<br>(SSRP) | Runoff<br>(SARP) |
| 061BE 1    | BENFIELD SICL 42%     | C   | 0.37  | 5"               | 4.0% | L                | H                | H (s)            |
| 061BE 2    | FLORENCE GR-SIL 28%   | C   | 0.15  | 5"               | 6.0% | L                | H                | I                |
| 061KA 1    | KAHOLA SIL 75%        | B   | 0.32  | 24"              | 3.0% | L                | I                | I                |
| 061KB 1    | KAHOLA SIL 75%        | B   | 0.32  | 24"              | 3.0% | L                | I                | I                |
| 061KO 1    | KONZA SICL 85%        | D   | 0.37  | 6"               | 4.0% | V                | H                | H                |
| 061TO 1    | TULLY SICL 85%        | C   | 0.37  | 12"              | 4.5% | L                | H                | H                |
| 111CD 1    | CLIME SIC 75%         | C   | 0.28  | 8"               | 2.5% | L                | H                | H (s)            |
| 111CD 2    | SOGN SICL 25%         | D   | 0.32  | 9"               | 2.0% | V                | H                | H                |
| 111EA 1    | ELMONT SIL 100%       | B   | 0.32  | 12"              | 3.0% | I                | I                | I                |
| 111IB 1    | IVAN SIL 100%         | B   | 0.32  | 35"              | 3.0% | L                | I                | I                |
| 111KA 1    | KENOMA SIL 92%        | D   | 0.43  | 10"              | 3.0% | H (w)            | H                | H                |
| 111KB 1    | KENOMA SICL 100%      | D   | 0.37  | 6"               | 3.0% | H (w)            | H                | H                |
| 111KC 1    | KENOMA SIL 100%       | D   | 0.43  | 10"              | 3.0% | H (w)            | H                | H                |
| 111KD 1    | KENOMA SICL 100%      | D   | 0.37  | 6"               | 3.0% | H (w)            | H                | H                |
| 111LA 1    | LABETTE SICL 100%     | C   | 0.37  | 8"               | 3.0% | L                | H                | H                |
| 111MA 1    | MARTIN SICL 92%       | C   | 0.37  | 12"              | 3.0% | H (w)            | H                | H                |
| 111MB 1    | MARTIN SICL 100%      | C   | 0.37  | 12"              | 3.0% | H (w)            | H                | H                |
| 111MC 1    | MARTIN SIC 100%       | C   | 0.28  | 12"              | 2.5% | H (w)            | H                | H                |
| 111TA 1    | TULLY SICL 100%       | C   | 0.37  | 17"              | 3.0% | L                | H                | H                |
| 111TB 1    | TULLY SICL 100%       | C   | 0.37  | 17"              | 2.5% | L                | H                | H                |
| 127IE 1    | IRWIN SICL 90%        | D   | 0.37  | 10"              | 3.0% | V                | H                | H                |
| 127RD 1    | READING SIL 90%       | B   | 0.32  | 15"              | 3.0% | L                | I                | I                |
| 127TS 1    | TULLY SICL 90%        | C   | 0.37  | 17"              | 3.0% | L                | H                | H                |
| 139CS 1    | CLIME SIC 65%         | C   | 0.37  | 7"               | 3.0% | L                | H                | H                |
| 139CS 2    | SOGN SICL 20%         | D   | 0.32  | 8"               | 2.0% | V                | H                | H                |
| 139EN 1    | ERAM SICL 85%         | C   | 0.37  | 9"               | 2.5% | H (w)            | H                | H                |
| 139KE 1    | KENOMA SIL 85%        | D   | 0.37  | 8"               | 3.0% | H (w)            | H                | H                |
| 139LS 1    | LEBO SICL 55%         | B   | 0.32  | 6"               | 2.5% | I                | I                | I                |

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|---------|-----------------------------|---|------|-----|------------|---|-------|
| 139LS 2 | SUMMIT SICL 35%             | C | 0.37 | 8"  | 3.0% H (w) | H | H     |
| 139MB 1 | MASON SIL 85%               | B | 0.37 | 7"  | 3.5% I     | I | I     |
| 139SO 1 | SUMMIT SICL 90%             | C | 0.37 | 8"  | 3.0% H (w) | H | H     |
| 139VB 1 | VERDIGRIS SIL 90%           | B | 0.32 | 14" | 3.0% I     | I | I     |
| 139VC 1 | VERDIGRIS SIL 88%           | B | 0.32 | 7"  | 3.0% I     | I | I     |
| 149HS 1 | HAYNIE VFSL 70%             | B | 0.37 | 9"  | 1.3% I     | I | I     |
| 149HS 2 | SARPY FS 30%                | A | 0.15 | 6"  | 0.6% H     | L | L     |
| 149SF 1 | SARPY S 100%                | A | 0.15 | 6"  | 0.6% H     | L | L     |
| 161EM 1 | ELMONT SIL 100%             | B | 0.32 | 10" | 3.0% I     | I | I     |
| 161IC 1 | IRWIN SICL 100%             | D | 0.37 | 11" | 3.0% V     | H | H     |
| 161TT 1 | TULLY SICL 100%             | C | 0.37 | 7"  | 2.5% L     | H | H     |
| 161TU 1 | TULLY SICL 99%              | C | 0.37 | 10" | 3.0% L     | H | H     |
| 177AN 1 | KENNEBEC SIL 97%            | B | 0.28 | 48" | 5.5% L     | I | I     |
| 177BK 1 | MARTIN SICL 54%             | C | 0.37 | 12" | 3.0% H (w) | H | H     |
| 177BK 2 | KENNEBEC SIL 43%            | B | 0.28 | 48" | 5.5% L     | I | I     |
| 177GM 1 | GYMER SIL 88%               | C | 0.32 | 15" | 3.0% L     | H | H     |
| 177KB 1 | KENNEBEC SIL 97%            | B | 0.28 | 48" | 4.0% L     | I | I     |
| 177LD 1 | LADYSMITH SICL 94%          | D | 0.37 | 10" | 3.0% H (w) | H | H     |
| 177MH 1 | MARTIN SICL 91%             | C | 0.37 | 7"  | 2.5% H (w) | H | H     |
| 177PA 1 | PAWNEE CL 85%               | D | 0.37 | 19" | 3.0% H (w) | H | H     |
| 177SE 1 | SARPY LFS 55%               | A | 0.17 | 12" | 0.7% H     | L | L     |
| 177SE 2 | EUDORA FSL 45%              | B | 0.20 | 8"  | 0.8% H     | I | I     |
| 177SV 1 | SOGN SICL 60%               | D | 0.32 | 10" | 2.0% V     | H | H (s) |
| 177SV 2 | VINLAND SICL 28%            | D | 0.32 | 6"  | 3.0% V     | H | H (s) |
| AED 1   | ARENTS, EARTHEN DAM<br>100% |   | 0.00 | 0"  | 0.0% ?     | ? | ?     |
| Ce 1    | CHASE SICL 85%              | C | 0.37 | 12" | 3.0% H (w) | H | H     |
| Cm 1    | CLIME SICL 85%              | C | 0.32 | 5"  | 3.0% L     | H | H     |
| Cr 1    | CLIME SICL 85%              | C | 0.20 | 9"  | 3.0% L     | H | H (s) |
| Cs 1    | CLIME SICL 60%              | C | 0.32 | 13" | 3.0% L     | H | H (s) |
| Cs 2    | SOGN SICL 20%               | D | 0.32 | 13" | 3.0% V     | H | H (s) |

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|-------|-----------------------------|---|------|-----|------------|---|---|
| EO 1  | ELMONT SIL 80%              | B | 0.32 | 19" | 3.0% L     | I | I |
| EU 1  | EUDORA SIL 95%              | B | 0.32 | 15" | 1.5% I     | I | I |
| EX 1  | EUDORA SIL 70%              | B | 0.32 | 17" | 1.5% I     | I | I |
| EX 2  | KIMO SICL 25%               | C | 0.37 | 24" | 3.0% H (w) | H | H |
| FL 1  | FLORENCE GR-SIL 40%         | C | 0.24 | 14" | 6.0% L     | H | H |
| FL 2  | LABETTE SIL 30%             | C | 0.32 | 7"  | 3.0% L     | H | H |
| FLL 1 | FLORENCE GR-SIL 60%         | C | 0.20 | 13" | 3.0% L     | H | I |
| FLL 2 | LABETTE SICL 40%            | C | 0.37 | 10" | 3.0% L     | H | H |
| Gy 1  | GYMER SICL 85%              | C | 0.32 | 11" | 3.0% L     | H | H |
| He 1  | HAYNIE VFSL 85%             | B | 0.37 | 9"  | 1.3% I     | I | I |
| Ib 1  | IRWIN SICL 80%              | D | 0.32 | 12" | 3.0% V     | H | H |
| Id 1  | IRWIN SICL 90%              | D | 0.32 | 12" | 3.0% V     | H | H |
| Iv 1  | IVAN SIL 90%                | B | 0.32 | 36" | 3.0% L     | I | I |
| Ix 1  | IVAN SICL 80%               | B | 0.32 | 40" | 3.0% L     | I | I |
| La 1  | LABETTE SICL 75%            | C | 0.37 | 8"  | 3.0% L     | H | H |
| LBB 1 | LABETTE SICL 91%            | C | 0.37 | 13" | 3.0% L     | H | H |
| Lm 1  | LADYSMITH SICL 90%          | D | 0.37 | 8"  | 3.0% V     | H | H |
| M-W 1 | MISCELLANEOUS WATER<br>100% |   | 0.00 | 0"  | 0.0% ?     | ? | ? |
| Mb 1  | MARTIN SICL 80%             | C | 0.37 | 14" | 3.0% L     | H | H |
| Mc 1  | MARTIN SICL 85%             | C | 0.37 | 6"  | 2.5% L     | H | H |
| Mr 1  | MORRILL L 75%               | B | 0.28 | 8"  | 3.0% I     | I | I |
| Ms 1  | MORRILL L 75%               | B | 0.20 | 10" | 3.0% I     | I | I |
| Pa 1  | PAWNEE CL 85%               | D | 0.37 | 17" | 3.0% H (w) | H | H |
| Pn 1  | PAWNEE CL 90%               | D | 0.37 | 17" | 3.0% H (w) | H | H |
| Po 1  | PAWNEE CL 90%               | D | 0.37 | 6"  | 1.5% H (w) | H | H |
| Px 1  | PAXICO SIL 90%              | B | 0.37 | 8"  | 2.0% H (w) | I | I |
| Rb 1  | READING SIL 90%             | B | 0.32 | 15" | 3.0% L     | I | I |
| Re 1  | READING SICL 90%            | B | 0.32 | 13" | 3.0% I     | I | I |
| Sa 1  | SARPY LS 90%                | A | 0.17 | 5"  | 0.6% H     | L | L |
| Sc 1  | SARPY LS 45%                | A | 0.17 | 6"  | 0.6% H     | L | L |

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|------|--------------------|---|------|-----|------------|---|-------|
| Sc 2 | HAYNIE FSL 30%     | B | 0.37 | 7"  | 1.3% I     | I | I     |
| Tz 1 | TUTTLE CN-SICL 85% | C | 0.20 | 10" | 3.0% L     | H | H (s) |
| W 1  | WATER 100%         |   | 0.00 | 0"  | 0.0% ?     | ? | ?     |
| Wb 1 | WABASH SIC 85%     | D | 0.28 | 22" | 3.3% H (w) | H | H     |
| We 1 | WAMEGO SIL 75%     | C | 0.32 | 10" | 3.0% L     | H | H     |
| Wf 1 | WAMEGO SICL 75%    | C | 0.32 | 11" | 3.0% L     | H | H     |
| Wy 1 | WYMORE SICL 100%   | D | 0.37 | 8"  | 3.0% H (w) | H | H     |

(.\REPORTS\SOILS.TXT generated on 12/12/01 at 12:11:15)

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