

# Leaching Index

## Shawnee County, Kansas

| Map Symbol | Soil Name     | Map Unit Name   | Hydrologic Group | OM % | kfact | Leaching Potential |
|------------|---------------|---|------------------|------|-------|--------------------|
| 3775       | Muir          | Muir silt loam, rarely flooded  | B                | 3.00 | 0.32  | Low                |
| 3890       | Ladysmith     | Ladysmith silty clay loam, 0 to 1 percent slopes                      | D                | 3.00 | 0.37  | Intermediate       |
| 3891       | Ladysmith     | Ladysmith silty clay loam, 1 to 3 percent slopes                      | D                | 3.00 | 0.37  | Intermediate       |
| 3892       | Ladysmith     | Ladysmith silty clay loam, 1 to 3 percent slopes, eroded              | D                | 2.00 | 0.37  | Intermediate       |
| 4015       | Chase         | Chase silt loam, occasionally flooded                                 | C                | 3.00 | 0.37  | Intermediate       |
| 4052       | Ivan          | Ivan silt loam, occasionally flooded                                  | B                | 3.00 | 0.32  | Low                |
| 4053       | Ivan          | Ivan silty clay loam, channeled                                       | B                | 3.00 | 0.32  | Intermediate       |
| 4610       | Dwight        | Dwight silty clay loam, 0 to 1 percent slopes                         | D                | 3.00 | 0.43  | Low                |
| 4615       | Dwight        | Dwight silty clay loam, 1 to 3 percent slopes                         | D                | 3.00 | 0.43  | Low                |
| 4635       | Dwight        | Dwight-Martin silty clay loams, 1 to 3 percent slopes                 | D                | 3.00 | 0.43  | Low                |
| 4635       | Martin        | Dwight-Martin silty clay loams, 1 to 3 percent slopes                 | C                | 3.00 | 0.37  | Low                |
| 4671       | Irwin         | Irwin silty clay loam, 1 to 3 percent slopes                          | D                | 3.00 | 0.37  | Low                |
| 4725       | Sogn          | Kipson-Sogn complex, 5 to 30 percent slopes                           | D                | 2.00 | 0.32  | Low                |
| 4725       | Kipson        | Kipson-Sogn complex, 5 to 30 percent slopes                           | D                | 2.00 | 0.49  | Low                |
| 4740       | Labette       | Labette silty clay loam, 1 to 3 percent slopes                        | D                | 3.00 | 0.32  | Low                |
| 4742       | Labette       | Labette silty clay loam, 3 to 7 percent slopes                        | D                | 3.00 | 0.32  | Low                |
| 4743       | Labette       | Labette silty clay loam, 3 to 7 percent slopes, eroded                | C                | 2.50 | 0.37  | Low                |
| 4752       | Sogn          | Sogn-Vinland complex, 3 to 25 percent slopes                          | D                | 2.00 | 0.32  | Low                |
| 4752       | Vinland       | Sogn-Vinland complex, 3 to 25 percent slopes                          | D                | 3.00 | 0.32  | Low                |
| 4833       | Wamego        | Wamego silty clay loam, 7 to 15 percent slopes                        | C                | 3.00 | 0.32  | Low                |
| 7006       | Bismarckgrove | Bismarckgrove silt loam, occasionally flooded                         | B                | 2.50 | 0.32  | Intermediate       |
| 7028       | Belvue        | Belvue silt loam, occasionally flooded                                | B                | 1.00 | 0.32  | Intermediate       |
| 7031       | Eudora        | Eudora silt loam, occasionally flooded                                | B                | 1.75 | 0.32  | Intermediate       |
| 7035       | Bismarckgrove | Eudora-Bismarckgrove fine sandy loams, overwash, occasionally flooded | B                | 1.20 | 0.2   | Intermediate       |

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|------------|---------------|---|------------------|------|-------|--------------------|
| 7035       | Eudora        | Eudora-Bismarckgrove fine sandy loams, overwash, occasionally flooded | B                | 1.20 | 0.2   | Intermediate       |
| 7036       | Bismarckgrove | Eudora-Bismarckgrove silt loams, occasionally flooded                 | B                | 2.50 | 0.32  | Intermediate       |
| 7036       | Eudora        | Eudora-Bismarckgrove silt loams, occasionally flooded                 | B                | 1.75 | 0.32  | Intermediate       |
| 7050       | Kennebec      | Kennebec silt loam, occasionally flooded                              | C                | 3.00 | 0.37  | Intermediate       |
| 7051       | Kennebec      | Kennebec silt loam, frequently flooded                                | B                | 4.50 | 0.28  | Intermediate       |
| 7055       | Kimo          | Kimo silty clay loam, occasionally flooded                            | C                | 3.00 | 0.37  | Intermediate       |
| 7058       | Stonehouse    | Stonehouse-Belvue complex, occasionally flooded                       | A                | 0.50 | 0.15  | High               |
| 7058       | Belvue        | Stonehouse-Belvue complex, occasionally flooded                       | B                | 1.00 | 0.32  | High               |
| 7088       | Stonehouse    | Stonehouse sand, occasionally flooded                                 | A                | 0.50 | 0.15  | High               |
| 7089       | Stonehouse    | Stonehouse-Eudora fine sandy loams, overwash, occasionally flooded    | A                | 1.20 | 0.2   | High               |
| 7089       | Eudora        | Stonehouse-Eudora fine sandy loams, overwash, occasionally flooded    | B                | 1.20 | 0.2   | High               |
| 7090       | Wabash        | Wabash silty clay loam, occasionally flooded                          | D                | 3.00 | 0.37  | High               |
| 7091       | Wabash        | Wabash silty clay, occasionally flooded                               | D                | 3.00 | 0.28  | High               |
| 7095       | Kiro          | Kiro silty clay, depressional, occasionally flooded                   | C                | 4.00 | 0.37  | High               |
| 7099       | Zook          | Zook silty clay loam, occasionally flooded                            | C/D              | 3.00 | 0.37  | High               |
| 7104       | Belvue        | Belvue silt loam, rarely flooded                                      | B                | 1.00 | 0.32  | Intermediate       |
| 7105       | Belvue        | Belvue silt loam, escarpment, 2 to 12 percent slopes                  | B                | 1.00 | 0.32  | Intermediate       |
| 7106       | Eudora        | Eudora-Bismarckgrove silt loams, rarely flooded                       | B                | 1.75 | 0.32  | Intermediate       |
| 7106       | Bismarckgrove | Eudora-Bismarckgrove silt loams, rarely flooded                       | B                | 2.50 | 0.32  | Intermediate       |
| 7107       | Bismarckgrove | Bismarckgrove-Kimo complex, rarely flooded                            | B                | 2.50 | 0.32  | Intermediate       |
| 7107       | Kimo          | Bismarckgrove-Kimo complex, rarely flooded                            | C                | 3.00 | 0.37  | Intermediate       |
| 7109       | Bourbonais    | Bourbonais-Bismarckgrove complex, rarely flooded                      | C                | 1.50 | 0.32  | Intermediate       |

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| 7109       | Bismarckgrove | Bourbonais-Bismarckgrove complex, rarely flooded              | B                | 2.50 | 0.32  | Intermediate       |
| 7119       | Eudora        | Eudora-Urban land complex, rarely flooded                     | B                | 1.75 | 0.32  | Intermediate       |
| 7121       | Eudora        | Eudora fine sandy loam, 1 to 3 percent slopes                 | B                | 1.70 | 0.2   | Intermediate       |
| 7123       | Eudora        | Eudora silt loam, rarely flooded                              | B                | 1.75 | 0.32  | Intermediate       |
| 7124       | Eudora        | Eudora soils, 6 to 12 percent slopes, eroded                  | B                | 1.70 | 0.2   | Intermediate       |
| 7132       | Eudora        | Stonehouse-Eudora complex, rarely flooded                     | B                | 1.75 | 0.32  | High               |
| 7132       | Stonehouse    | Stonehouse-Eudora complex, rarely flooded                     | A                | 0.50 | 0.15  | High               |
| 7150       | Haig          | Haig silty clay loam, 0 to 1 percent slopes                   | C/D              | 3.00 | 0.37  | High               |
| 7155       | Kimo          | Kimo silty clay loam, rarely flooded                          | C                | 3.00 | 0.37  | Intermediate       |
| 7170       | Reading       | Reading silt loam, rarely flooded                             | B                | 3.00 | 0.32  | Low                |
| 7173       | Reading       | Reading silty clay loam, rarely flooded                       | B                | 3.00 | 0.32  | Low                |
| 7176       | Rossville     | Rossville silt loam, very rarely flooded                      | B                | 2.50 | 0.28  | Intermediate       |
| 7208       | Muscotah      | Muscotah silty clay loam, very rarely flooded                 | D                | 3.00 | 0.37  | High               |
| 7213       | Reading       | Reading silt loam, moderately wet, very rarely flooded        | B                | 3.00 | 0.32  | Intermediate       |
| 7214       | Eudora        | Eudora silt loam, very rarely flooded                         | B                | 1.75 | 0.32  | Intermediate       |
| 7230       | Elmont        | Elmont loam, 3 to 7 percent slopes                            | B                | 3.00 | 0.32  | Low                |
| 7233       | Elmont        | Elmont silt loam, 3 to 7 percent slopes                       | B                | 3.00 | 0.32  | Low                |
| 7234       | Elmont        | Elmont silt loam, 3 to 7 percent slopes, eroded               | B                | 2.50 | 0.32  | Intermediate       |
| 7235       | Elmont        | Elmont silt loam, 7 to 12 percent slopes                      | B                | 3.00 | 0.32  | Low                |
| 7236       | Elmont        | Elmont silt loam, 7 to 12 percent slopes, eroded              | B                | 2.50 | 0.32  | Intermediate       |
| 7247       | Dwight        | Elmont-Dwight silty clay loams, 3 to 7 percent slopes, eroded | D                | 3.00 | 0.43  | Intermediate       |
| 7247       | Elmont        | Elmont-Dwight silty clay loams, 3 to 7 percent slopes, eroded | B                | 2.50 | 0.32  | Intermediate       |
| 7261       | Gymer         | Gymer silt loam, 3 to 7 percent slopes                        | C                | 3.00 | 0.32  | Low                |
| 7262       | Gymer         | Gymer silt loam, 3 to 7 percent slopes, eroded                | C                | 2.00 | 0.32  | Low                |
| 7270       | Grinter       | Falleaf-Grinter soils, 4 to 8 percent slopes                  | A                | 2.10 | 0.05  | Intermediate       |

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|------------|-----------|---|------------------|------|-------|--------------------|
| 7270       | Falleaf   | Falleaf-Grinter soils, 4 to 8 percent slopes            | B                | 2.00 | 0.28  | Intermediate       |
| 7280       | Wabash    | Wabash silty clay, very rarely flooded                  | D                | 3.00 | 0.28  | High               |
| 7282       | Konawa    | Konawa fine sandy loam, 8 to 12 percent slopes          | B                | 0.75 | 0.24  | Intermediate       |
| 7301       | Martin    | Martin silty clay loam, 1 to 3 percent slopes           | C                | 3.00 | 0.37  | Intermediate       |
| 7302       | Martin    | Martin silty clay loam, 3 to 7 percent slopes           | C                | 3.00 | 0.37  | Intermediate       |
| 7303       | Martin    | Martin silty clay loam, 3 to 7 percent slopes, eroded   | C                | 2.50 | 0.37  | High               |
| 7304       | Martin    | Martin silty clay loam, 7 to 12 percent slopes          | C                | 3.00 | 0.37  | Intermediate       |
| 7305       | Martin    | Martin silty clay loam, 7 to 12 percent slopes, eroded  | C                | 2.50 | 0.37  | High               |
| 7308       | Martin    | Martin soils, 3 to 7 percent slopes, severely eroded    | C                | 2.00 | 0.37  | High               |
| 7320       | Kennebec  | Martin-Kennebec complex, 0 to 12 percent slopes         | B                | 4.50 | 0.28  | High               |
| 7320       | Martin    | Martin-Kennebec complex, 0 to 12 percent slopes         | C                | 3.00 | 0.37  | High               |
| 7330       | Vinland   | Martin-Vinland silty clay loams, 5 to 10 percent slopes | D                | 3.00 | 0.32  | Intermediate       |
| 7330       | Martin    | Martin-Vinland silty clay loams, 5 to 10 percent slopes | C                | 3.00 | 0.37  | Intermediate       |
| 7423       | Morrill   | Morrill clay loam, 3 to 7 percent slopes                | B                | 3.00 | 0.28  | Low                |
| 7424       | Morrill   | Morrill clay loam, 3 to 7 percent slopes, eroded        | B                | 2.50 | 0.28  | Intermediate       |
| 7425       | Morrill   | Morrill clay loam, 7 to 12 percent slopes               | B                | 3.00 | 0.28  | Low                |
| 7426       | Morrill   | Morrill fine sandy loam, 3 to 7 percent slopes          | B                | 2.50 | 0.32  | Low                |
| 7427       | Morrill   | Morrill fine sandy loam, 3 to 7 percent slopes, eroded  | B                | 2.50 | 0.32  | Intermediate       |
| 7428       | Morrill   | Morrill fine sandy loam, 7 to 12 percent slopes         | B                | 2.50 | 0.32  | Low                |
| 7429       | Morrill   | Morrill gravelly loam, 4 to 20 percent slopes, stony    | B                | 3.00 | 0.24  | Low                |
| 7433       | Morrill   | Morrill loam, 3 to 7 percent slopes                     | B                | 3.00 | 0.28  | Low                |
| 7437       | Morrill   | Morrill loam, 7 to 12 percent slopes, very stony        | B                | 3.00 | 0.28  | Low                |

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|------------|-------------|---|------------------|------|-------|--------------------|
| 7440       | Morrill     | Morrill-Gravelly land complex, 4 to 12 percent slopes | B                | 3.00 | 0.28  | Low                |
| 7440       | Udorthents  | Morrill-Gravelly land complex, 4 to 12 percent slopes | C                | 1.50 | 0.43  | Low                |
| 7455       | Olmitz      | Olmitz loam, 1 to 5 percent slopes                    | B                | 3.00 | 0.24  | Intermediate       |
| 7460       | Oska        | Oska silty clay loam, 3 to 6 percent slopes           | C                | 2.50 | 0.37  | Low                |
| 7500       | Pawnee      | Pawnee clay loam, 1 to 3 percent slopes               | D                | 3.00 | 0.37  | High               |
| 7501       | Pawnee      | Pawnee clay loam, 4 to 8 percent slopes, eroded       | D                | 3.50 | 0.32  | High               |
| 7540       | Sharpsburg  | Sharpsburg silty clay loam, 1 to 4 percent slopes     | C                | 3.00 | 0.32  | Intermediate       |
| 7541       | Sharpsburg  | Sharpsburg silty clay loam, 4 to 8 percent slopes     | C                | 3.00 | 0.32  | Intermediate       |
| 7580       | Shelby      | Shelby clay loam, 1 to 3 percent slopes               | B                | 3.00 | 0.28  | Low                |
| 7583       | Shelby      | Shelby clay loam, 3 to 7 percent slopes               | B                | 3.00 | 0.28  | Low                |
| 7584       | Shelby      | Shelby clay loam, 3 to 7 percent slopes, eroded       | B                | 2.50 | 0.28  | Intermediate       |
| 7585       | Shelby      | Shelby clay loam, 7 to 12 percent slopes              | B                | 3.00 | 0.28  | Low                |
| 7593       | Shelby      | Shelby-Pawnee complex, 7 to 12 percent slopes         | B                | 3.00 | 0.28  | Low                |
| 7593       | Pawnee      | Shelby-Pawnee complex, 7 to 12 percent slopes         | D                | 3.00 | 0.37  | Low                |
| 7602       | Sibleyville | Sibleyville complex, 7 to 12 percent slopes           | B                | 2.50 | 0.28  | Intermediate       |
| 7602       | Sibleyville | Sibleyville complex, 7 to 12 percent slopes           | B                | 2.50 | 0.28  | Intermediate       |
| 7603       | Sibleyville | Sibleyville loam, 3 to 7 percent slopes               | B                | 2.50 | 0.28  | Low                |
| 7605       | Sibleyville | Sibleyville loam, 7 to 12 percent slopes              | B                | 2.50 | 0.28  | Intermediate       |
| 7655       | Vinland     | Vinland silty clay loam, 4 to 15 percent slopes       | D                | 3.00 | 0.32  | Low                |
| 7657       | Vinland     | Vinland-Martin complex, 7 to 15 percent slopes        | D                | 3.00 | 0.32  | Low                |
| 7657       | Martin      | Vinland-Martin complex, 7 to 15 percent slopes        | C                | 3.00 | 0.37  | Low                |
| 7658       | Vinland     | Vinland-Rock outcrop complex, 15 to 45 percent slopes | D                | 3.00 | 0.32  | Low                |
| 7661       | Vinland     | Vinland-Sogn complex, 15 to 45 percent slopes         | D                | 3.00 | 0.32  | Low                |
| 7678       | Welda       | Welda silt loam, 5 to 9 percent slopes                | C                | 0.75 | 0.37  | Low                |
| 7681       | Wymore      | Wymore silty clay loam, 1 to 3 percent slopes         | D                | 3.00 | 0.37  | Intermediate       |
| 7683       | Wymore      | Wymore silty clay loam, 3 to 6 percent slopes         | D                | 3.00 | 0.37  | Intermediate       |

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|------------|-----------|--|------------------|------|-------|--------------------|
| 8962       | Woodson   | Woodson silt loam, 1 to 3 percent slopes | D                | 2.50 | 0.49  | High               |

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual.

The values 1, 2 and 3 are derived by using the same algorithm included in the SSSD RV Generator to produce values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining signup scores for National ranking subfactor N2 without further code conversion.