

# Leaching Index

## Barber County, Kansas

| Map Symbol | Soil Name  | Map Unit Name  | Hydrologic Group | OM % | kfact | Leaching Potential |
|------------|------------|--|------------------|------|-------|--------------------|
| 5310       | Clairemont | Clairemont loam, channeled                           | B                | 1.00 | 0.43  | Intermediate       |
| 5312       | Clairemont | Clairemont silt loam, occasionally flooded           | B                | 1.00 | 0.43  | Intermediate       |
| 5314       | Clairemont | Clairemont soils, channeled                          | B                | 1.00 | 0.43  | Intermediate       |
| 5316       | Clairemont | Clairemont soils, saline, channeled                  | B                | 1.00 | 0.43  | Intermediate       |
| 5320       | Kanza      | Kanza soils, frequently flooded                      | D                | 2.00 | 0.17  | High               |
| 5332       | Mangum     | Mangum clay, occasionally flooded                    | D                | 1.50 | 0.32  | Low                |
| 5336       | Yahola     | Yahola fine sandy loam, occasionally flooded         | B                | 0.75 | 0.2   | Intermediate       |
| 5340       | Yahola     | Yahola sandy loam, occasionally flooded              | B                | 0.75 | 0.2   | Intermediate       |
| 5350       | Buttermilk | Buttermilk silt loam, rarely flooded                 | B                | 2.00 | 0.32  | Low                |
| 5360       | Mangum     | Mangum-Drummond complex, rarely flooded              | D                | 1.50 | 0.32  | Low                |
| 5360       | Drummond   | Mangum-Drummond complex, rarely flooded              | D                | 0.75 | 0.43  | Low                |
| 5419       | Clark      | Case-Clark clay loams, 3 to 7 percent slopes         | B                | 1.50 | 0.28  | Intermediate       |
| 5419       | Case       | Case-Clark clay loams, 3 to 7 percent slopes         | B                | 1.25 | 0.32  | Intermediate       |
| 5420       | Clark      | Case-Clark clay loams, 7 to 15 percent slopes        | B                | 1.50 | 0.28  | Intermediate       |
| 5420       | Case       | Case-Clark clay loams, 7 to 15 percent slopes        | B                | 1.25 | 0.32  | Intermediate       |
| 5422       | Kingfisher | Kingfisher silt loam, 1 to 3 percent slopes          | B                | 3.50 | 0.37  | Low                |
| 5423       | Vernon     | Kingfisher-Vernon complex, 1 to 3 percent slopes     | D                | 0.75 | 0.37  | Low                |
| 5423       | Kingfisher | Kingfisher-Vernon complex, 1 to 3 percent slopes     | B                | 3.50 | 0.37  | Low                |
| 5424       | Vernon     | Kingfisher-Vernon complex, 3 to 6 percent slopes     | D                | 0.75 | 0.37  | Low                |
| 5424       | Kingfisher | Kingfisher-Vernon complex, 3 to 6 percent slopes     | B                | 3.50 | 0.37  | Low                |
| 5433       | Knoco      | Knoco-Shale outcrop complex, 15 to 80 percent slopes | D                | 1.00 | 0.37  | Low                |
| 5436       | Obaro      | Obaro silty clay loam, 5 to 12 percent slopes        | B                | 0.50 | 0.43  | Intermediate       |
| 5439       | Obaro      | Obaro-Rock outcrop complex, 10 to 30 percent slopes  | B                | 0.50 | 0.43  | Intermediate       |
| 5443       | Quinlan    | Quinlan loam, 1 to 3 percent slopes                  | C                | 0.50 | 0.37  | Low                |

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| 5444       | Quinlan      | Quinlan loam, 3 to 6 percent slopes                         | C                | 0.50 | 0.37  | Low                |
| 5451       | Clairemont   | Quinlan-Clairemont complex, 0 to 50 percent slopes          | B                | 1.00 | 0.43  | Low                |
| 5451       | Quinlan      | Quinlan-Clairemont complex, 0 to 50 percent slopes          | C                | 0.50 | 0.37  | Low                |
| 5457       | Quinlan      | Quinlan-Woodward loams, 6 to 15 percent slopes              | C                | 0.50 | 0.37  | Low                |
| 5457       | Woodward     | Quinlan-Woodward loams, 6 to 15 percent slopes              | B                | 1.25 | 0.37  | Low                |
| 5458       | Woodward     | Quinlan-Woodward loams, 15 to 30 percent slopes             | B                | 1.25 | 0.37  | Low                |
| 5458       | Quinlan      | Quinlan-Woodward loams, 15 to 30 percent slopes             | C                | 0.50 | 0.37  | Low                |
| 5492       | Port         | Woodward-Port complex, 0 to 20 percent slopes               | B                | 2.00 | 0.37  | Low                |
| 5492       | Woodward     | Woodward-Port complex, 0 to 20 percent slopes               | B                | 0.75 | 0.37  | Low                |
| 5495       | Woodward     | Woodward-Quinlan loams, 1 to 3 percent slopes               | B                | 1.25 | 0.37  | Low                |
| 5495       | Quinlan      | Woodward-Quinlan loams, 1 to 3 percent slopes               | C                | 0.50 | 0.37  | Low                |
| 5496       | Quinlan      | Woodward-Quinlan loams, 3 to 6 percent slopes               | C                | 0.50 | 0.37  | Low                |
| 5496       | Woodward     | Woodward-Quinlan loams, 3 to 6 percent slopes               | B                | 1.25 | 0.37  | Low                |
| 5561       | Kanza        | Kanza-Plevna complex, frequently flooded                    | D                | 2.00 | 0.17  | High               |
| 5561       | Plevna       | Kanza-Plevna complex, frequently flooded                    | D                | 2.50 | 0.2   | High               |
| 5670       | Waldeck      | Waldeck fine sandy loam, occasionally flooded               | C                | 1.50 | 0.2   | Intermediate       |
| 5671       | Waldeck      | Waldeck loam, occasionally flooded                          | C                | 2.00 | 0.28  | Intermediate       |
| 5672       | Waldeck      | Waldeck sandy loam, occasionally flooded                    | C                | 1.50 | 0.2   | Intermediate       |
| 5690       | Zenda        | Zenda clay loam, occasionally flooded                       | C                | 1.00 | 0.28  | Intermediate       |
| 5740       | Plevna       | Dillwyn-Plevna complex, occasionally flooded                | D                | 2.90 | 0.2   | High               |
| 5740       | Dillwyn      | Dillwyn-Plevna complex, occasionally flooded                | A                | 1.00 | 0.17  | High               |
| 5850       | Shellabarger | Albion and Shellabarger sandy loams, 6 to 15 percent slopes | B                | 1.50 | 0.2   | Intermediate       |
| 5850       | Albion       | Albion and Shellabarger sandy loams, 6 to 15 percent slopes | B                | 1.50 | 0.2   | Intermediate       |

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|------------|--------------|---|------------------|------|-------|--------------------|
| 5853       | Albion       | Albion sandy loam, 1 to 3 percent slopes                | B                | 1.50 | 0.2   | Intermediate       |
| 5854       | Albion       | Albion sandy loam, 3 to 6 percent slopes                | B                | 1.50 | 0.2   | Intermediate       |
| 5855       | Albion       | Albion sandy loam, 3 to 6 percent slopes, eroded        | B                | 1.50 | 0.2   | Intermediate       |
| 5857       | Kaski        | Albion-Kaski complex, 0 to 15 percent slopes            | B                | 2.00 | 0.28  | Intermediate       |
| 5857       | Albion       | Albion-Kaski complex, 0 to 15 percent slopes            | B                | 1.50 | 0.2   | Intermediate       |
| 5858       | Albion       | Albion-Shellabarger sandy loams, 1 to 3 percent slopes  | B                | 1.50 | 0.2   | Intermediate       |
| 5858       | Shellabarger | Albion-Shellabarger sandy loams, 1 to 3 percent slopes  | B                | 1.50 | 0.2   | Intermediate       |
| 5859       | Shellabarger | Albion-Shellabarger sandy loams, 3 to 15 percent slopes | B                | 1.50 | 0.2   | Intermediate       |
| 5859       | Albion       | Albion-Shellabarger sandy loams, 3 to 15 percent slopes | B                | 1.50 | 0.2   | Intermediate       |
| 5863       | Attica       | Attica loamy fine sand, 1 to 3 percent slopes           | B                | 0.75 | 0.17  | Intermediate       |
| 5872       | Clark        | Clark clay loam, 0 to 1 percent slopes                  | B                | 1.50 | 0.28  | Intermediate       |
| 5873       | Clark        | Clark clay loam, 1 to 3 percent slopes                  | B                | 1.50 | 0.28  | Intermediate       |
| 5875       | Clark        | Clark fine sandy loam, 1 to 3 percent slopes            | B                | 1.50 | 0.28  | Intermediate       |
| 5878       | Clark        | Clark-Ost clay loams, 0 to 1 percent slopes             | B                | 1.50 | 0.28  | Intermediate       |
| 5878       | Ost          | Clark-Ost clay loams, 0 to 1 percent slopes             | B                | 2.00 | 0.32  | Intermediate       |
| 5889       | Farnum       | Farnum clay loam, 1 to 3 percent slopes, eroded         | B                | 2.00 | 0.28  | Low                |
| 5892       | Farnum       | Farnum loam, 0 to 1 percent slopes                      | B                | 2.00 | 0.28  | Low                |
| 5893       | Farnum       | Farnum loam, 1 to 3 percent slopes                      | B                | 2.00 | 0.28  | Low                |
| 5908       | Nalim        | Nalim loam, 0 to 1 percent slopes                       | C                | 2.00 | 0.32  | Low                |
| 5910       | Naron        | Naron fine sandy loam, 1 to 3 percent slopes            | B                | 1.50 | 0.2   | Intermediate       |
| 5918       | Ost          | Ost clay loam, 0 to 1 percent slopes                    | B                | 2.00 | 0.32  | Intermediate       |
| 5919       | Ost          | Ost clay loam, 1 to 3 percent slopes                    | B                | 2.00 | 0.32  | Intermediate       |
| 5928       | Pratt        | Pratt loamy fine sand, 1 to 5 percent slopes            | A                | 0.70 | 0.28  | High               |
| 5929       | Pratt        | Pratt loamy fine sand, 5 to 12 percent slopes           | A                | 0.70 | 0.28  | High               |
| 5935       | Pratt        | Pratt-Carwile complex, 0 to 5 percent slopes            | A                | 0.70 | 0.28  | High               |

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| 5935       | Carwile      | Pratt-Carwile complex, 0 to 5 percent slopes                   | D                | 2.00 | 0.32  | High               |
| 5941       | Pratt        | Pratt-Tivoli loamy fine sands, 5 to 15 percent slopes          | A                | 0.75 | 0.17  | High               |
| 5941       | Tivoli       | Pratt-Tivoli loamy fine sands, 5 to 15 percent slopes          | A                | 0.50 | 0.17  | High               |
| 5943       | Saltcreek    | Saltcreek and Naron fine sandy loams, 0 to 1 percent slopes    | C                | 1.00 | 0.28  | Low                |
| 5943       | Naron        | Saltcreek and Naron fine sandy loams, 0 to 1 percent slopes    | B                | 2.00 | 0.28  | Low                |
| 5944       | Saltcreek    | Saltcreek and Naron fine sandy loams, 1 to 3 percent slopes    | C                | 1.00 | 0.28  | Low                |
| 5944       | Naron        | Saltcreek and Naron fine sandy loams, 1 to 3 percent slopes    | B                | 1.00 | 0.37  | Low                |
| 5948       | Shellabarger | Shellabarger fine sandy loam, 0 to 1 percent slopes            | B                | 1.50 | 0.2   | Intermediate       |
| 5949       | Shellabarger | Shellabarger fine sandy loam, 1 to 3 percent slopes            | B                | 1.26 | 0.2   | Intermediate       |
| 5956       | Shellabarger | Shellabarger sandy loam, 1 to 3 percent slopes                 | B                | 1.50 | 0.2   | Intermediate       |
| 5957       | Shellabarger | Shellabarger sandy loam, 3 to 6 percent slopes                 | B                | 1.50 | 0.2   | Low                |
| 5958       | Shellabarger | Shellabarger sandy loam, 3 to 6 percent slopes, eroded         | B                | 1.50 | 0.2   | Low                |
| 5972       | Tivoli       | Tivoli fine sand, 5 to 30 percent slopes                       | A                | 0.75 | 0.15  | High               |
| 5981       | Shellabarger | Nalim and Shellabarger fine sandy loams, 0 to 1 percent slopes | B                | 1.00 | 0.24  | Low                |
| 5981       | Nalim        | Nalim and Shellabarger fine sandy loams, 0 to 1 percent slopes | C                | 2.00 | 0.28  | Low                |
| 5982       | Nalim        | Nalim loam, 1 to 3 percent slopes                              | C                | 2.00 | 0.32  | Low                |
| 5984       | Nalim        | Nalim clay loam, 3 to 6 percent slopes, eroded                 | C                | 1.50 | 0.28  | Intermediate       |
| 6053       | Gerlane      | Gerlane fine sandy loam, occasionally flooded                  | B                | 2.00 | 0.2   | Intermediate       |
| 6057       | Lincoln      | Lincoln loamy sand, occasionally flooded                       | A                | 0.50 | 0.17  | High               |
| 6059       | Lincoln      | Lincoln sandy loam, occasionally flooded                       | A                | 0.50 | 0.2   | High               |
| 6060       | Lincoln      | Lincoln soils, frequently flooded                              | A                | 0.50 | 0.2   | High               |

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|------------|------------|--|------------------|------|-------|--------------------|
| 6224       | Canadian   | Canadian fine sandy loam, rarely flooded               | B                | 2.00 | 0.2   | Intermediate       |
| 6234       | Crisfield  | Crisfield sandy loam, rarely flooded                   | B                | 0.50 | 0.15  | Intermediate       |
| 6240       | Dale       | Dale silt loam, rarely flooded                         | B                | 1.50 | 0.37  | Low                |
| 6322       | Blanket    | Blanket silt loam, 0 to 1 percent slopes               | C                | 2.00 | 0.37  | Low                |
| 6323       | Blanket    | Blanket silt loam, 1 to 3 percent slopes               | C                | 2.00 | 0.37  | Low                |
| 6324       | Blanket    | Blanket silty clay loam, 1 to 3 percent slopes, eroded | C                | 2.00 | 0.37  | Low                |
| 6330       | Carwile    | Carwile fine sandy loam, 0 to 1 percent slopes         | D                | 2.00 | 0.24  | High               |
| 6340       | Grant      | Grant silt loam, 0 to 1 percent slopes                 | B                | 2.00 | 0.37  | Low                |
| 6341       | Grant      | Grant silt loam, 1 to 3 percent slopes                 | B                | 2.00 | 0.37  | Low                |
| 6342       | Grant      | Grant silt loam, 3 to 5 percent slopes                 | B                | 2.00 | 0.37  | Low                |
| 6376       | Minco      | Minco silt loam, 0 to 1 percent slopes                 | B                | 2.00 | 0.37  | Low                |
| 6378       | Minco      | Minco silt loam, 1 to 3 percent slopes                 | B                | 1.46 | 0.37  | Low                |
| 6380       | Minco      | Minco silt loam, 3 to 7 percent slopes                 | B                | 1.46 | 0.37  | Low                |
| 6408       | Pond Creek | Pond Creek silt loam, 0 to 1 percent slopes            | C                | 2.50 | 0.37  | Low                |
| 6409       | Pond Creek | Pond Creek silt loam, 1 to 3 percent slopes            | B                | 2.00 | 0.37  | Low                |
| 6440       | Vernon     | Vernon clay loam, 3 to 5 percent slopes                | D                | 2.00 | 0.37  | Low                |
| 6441       | Vernon     | Vernon clay loam, 5 to 15 percent slopes               | D                | 2.00 | 0.37  | Low                |
| 6444       | Knoco      | Vernon-Knoco complex, 1 to 5 percent slopes            | D                | 1.00 | 0.37  | Low                |
| 6444       | Vernon     | Vernon-Knoco complex, 1 to 5 percent slopes            | D                | 2.00 | 0.37  | Low                |
| 9970       | Aquolls    | Aquolls  | C                |      |       | 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.