

# Leaching Index

## Harper County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
2153	Lesho	Lesho clay loam, saline, occasionally flooded	C	1.50	0.28	Intermediate
5316	Clairemont	Clairemont soils, saline, channeled	B	1.00	0.43	Intermediate
5318	Kanza	Kanza loamy fine sand, frequently flooded	D	2.00	0.17	High
5320	Kanza	Kanza soils, frequently flooded	D	2.00	0.17	High
5322	Kaski	Kaski loam, frequently flooded	B	2.00	0.28	Low
5324	Kaski	Kaski loam, occasionally flooded	B	2.00	0.28	Low
5350	Buttermilk	Buttermilk silt loam, rarely flooded	B	2.00	0.32	Low
5419	Case	Case-Clark clay loams, 3 to 7 percent slopes	B	1.25	0.32	Intermediate
5419	Clark	Case-Clark clay loams, 3 to 7 percent slopes	B	1.50	0.28	Intermediate
5442	Quinlan	Quinlan loam, 0 to 1 percent slopes	C	0.50	0.37	Low
5443	Quinlan	Quinlan loam, 1 to 3 percent slopes	C	0.50	0.37	Low
5444	Quinlan	Quinlan loam, 3 to 6 percent slopes	C	0.50	0.37	Low
5456	Elandco	Wellsford-Elandco complex, 0 to 25 percent slopes	B	2.00	0.43	Low
5456	Wellsford	Wellsford-Elandco complex, 0 to 25 percent slopes	D	1.25	0.32	Low
5492	Woodward	Woodward-Port complex, 0 to 20 percent slopes	B	0.75	0.37	Low
5492	Port	Woodward-Port complex, 0 to 20 percent slopes	B	2.00	0.37	Low
5494	Woodward	Woodward-Quinlan loams, 0 to 1 percent slopes	B	1.25	0.37	Low
5494	Quinlan	Woodward-Quinlan loams, 0 to 1 percent slopes	C	0.50	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
5563	Kingman	Kingman clay loam, occasionally flooded	D	3.00	0.32	High
5690	Zenda	Zenda clay loam, occasionally flooded	C	2.00	0.28	Intermediate
5691	Zenda	Zenda fine sandy loam, occasionally flooded	C	1.50	0.28	Intermediate
5740	Dillwyn	Dillwyn-Plevna complex, occasionally flooded	A	1.00	0.17	High

# Leaching Index

## Harper County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
5740	Plevna	Dillwyn-Plevna complex, occasionally flooded	D	2.90	0.2	High
5850	Albion	Albion and Shellabarger sandy loams, 6 to 15 percent slopes	B	1.50	0.2	Intermediate
5850	Shellabarger	Albion and Shellabarger sandy loams, 6 to 15 percent slopes	B	1.50	0.2	Intermediate
5856	Albion	Albion sandy loam, 6 to 15 percent slopes	B	1.25	0.2	Intermediate
5861	Attica	Attica fine sandy loam, 1 to 3 percent slopes	B	0.75	0.24	Intermediate
5908	Nalim	Nalim loam, 0 to 1 percent slopes	C	2.00	0.32	Low
5929	Pratt	Pratt loamy fine sand, 5 to 12 percent slopes	A	0.70	0.28	High
5931	Pratt	Pratt loamy fine sand, siltstone substratum, 3 to 8 percent slopes	A	0.75	0.17	High
5935	Carwile	Pratt-Carwile complex, 0 to 5 percent slopes	D	2.00	0.32	High
5935	Pratt	Pratt-Carwile complex, 0 to 5 percent slopes	A	0.70	0.28	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
5946	Albion	Shellabarger and Albion soils, 7 to 15 percent slopes	B	1.50	0.2	Intermediate
5946	Shellabarger	Shellabarger and Albion soils, 7 to 15 percent slopes	B	1.26	0.2	Intermediate
5948	Shellabarger	Shellabarger fine sandy loam, 0 to 1 percent slopes	B	1.50	0.2	Low
5949	Shellabarger	Shellabarger fine sandy loam, 1 to 3 percent slopes	B	1.26	0.2	Intermediate
5950	Shellabarger	Shellabarger fine sandy loam, 3 to 6 percent slopes	B	1.26	0.2	Intermediate
5951	Shellabarger	Shellabarger fine sandy loam, 3 to 6 percent slopes, eroded	B	1.26	0.2	Intermediate
5953	Shellabarger	Shellabarger loamy fine sand, 0 to 3 percent slopes	B	1.26	0.2	Intermediate
5954	Shellabarger	Shellabarger loamy sand, 0 to 3 percent slopes	B	1.50	0.17	High

# Leaching Index

## Harper County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
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	Intermediate
5958	Shellabarger	Shellabarger sandy loam, 3 to 6 percent slopes, eroded	B	1.50	0.2	Intermediate
5964	Tabler	Tabler clay loam, 0 to 1 percent slopes	D	2.00	0.43	Intermediate
5967	Tabler	Tabler silty clay loam, 0 to 1 percent slopes	D	2.00	0.37	Intermediate
5972	Tivoli	Tivoli fine sand, 10 to 30 percent slopes	A	0.50	0.15	High
5982	Nalim	Nalim loam, 1 to 3 percent slopes	C	2.00	0.32	Low
5983	Nalim	Nalim loam, 3 to 6 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
6051	Elandco	Elandco silt loam, frequently flooded	B	2.00	0.43	Low
6053	Gerlane	Gerlane fine sandy loam, occasionally flooded	B	2.00	0.2	Intermediate
6054	Gerlane	Gerlane variant loamy fine sand, occasionally flooded	A	0.50	0.17	High
6056	Lincoln	Lincoln loamy fine sand, occasionally flooded	A	0.50	0.17	High
6057	Lincoln	Lincoln loamy sand, occasionally flooded	A	0.50	0.17	High
6060	Lincoln	Lincoln soils, frequently flooded	A	0.50	0.17	High
6224	Canadian	Canadian fine sandy loam, rarely flooded	B	2.00	0.2	Intermediate
6230	Corbin	Corbin silt loam, 0 to 1 percent slopes	B	2.00	0.32	Low
6232	Corbin	Corbin silt loam, 1 to 3 percent slopes	B	2.00	0.37	Low
6234	Crisfield	Crisfield sandy loam, rarely flooded	B	0.50	0.15	Intermediate
6240	Dale	Dale silt loam, rarely flooded	B	2.00	0.37	Low
6246	Elandco	Elandco silty clay loam, rarely flooded	B	2.00	0.37	Low
6320	Bethany	Bethany silt loam, 0 to 1 percent slopes	C	2.00	0.37	Low
6321	Bethany	Bethany silt loam, 1 to 3 percent slopes	C	2.00	0.37	Low
6330	Carwile	Carwile fine sandy loam, 0 to 1 percent slopes	D	2.00	0.24	High
6335	Drummond	Drummond loam, 0 to 1 percent slopes	D	0.75	0.43	Intermediate
6340	Grant	Grant silt loam, 0 to 1 percent slopes	B	2.00	0.37	Low

## Leaching Index Harper County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
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
6354	Kirkland	Kirkland silt loam, 0 to 1 percent slopes, cool	D	2.00	0.43	Low
6360	Kirkland	Kirkland-Renfrow clay loams, 1 to 3 percent slopes	D	2.00	0.43	Low
6360	Renfrow	Kirkland-Renfrow clay loams, 1 to 3 percent slopes	D	2.00	0.43	Low
6362	Renfrow	Kirkland-Renfrow soils, 1 to 3 percent slopes, eroded	D	2.00	0.43	Low
6362	Kirkland	Kirkland-Renfrow soils, 1 to 3 percent slopes, eroded	D	1.50	0.43	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
6390	Nashville	Nashville silt loam, 0 to 1 percent slopes	B	3.00	0.32	Low
6391	Nashville	Nashville silt loam, 1 to 3 percent slopes	B	3.00	0.32	Low
6392	Nashville	Nashville silt loam, 3 to 6 percent slopes	B	3.00	0.32	Low
6393	Nashville	Nashville silt loam, 3 to 6 percent slopes, eroded	B	3.00	0.32	Low
6394	Nashville	Nashville-Quinlan complex, 6 to 15 percent slopes	B	3.00	0.32	Low
6394	Quinlan	Nashville-Quinlan complex, 6 to 15 percent slopes	C	0.50	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	1.76	0.37	Low
6410	Pond Creek	Pond Creek silt loam, 3 to 6 percent slopes	B	1.76	0.37	Low
6411	Pond Creek	Pond Creek silt loam, 3 to 6 percent slopes, eroded	B	1.76	0.37	Low
6412	Pond Creek	Pond Creek silty clay loam, 3 to 6 percent slopes, eroded	B	1.00	0.37	Intermediate
6421	Renfrow	Renfrow-Grainola complex, 1 to 3 percent slopes	D	2.00	0.43	Low
6421	Grainola	Renfrow-Grainola complex, 1 to 3 percent slopes	D	0.75	0.43	Low

# Leaching Index

## Harper County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
6422	Renfrow	Renfrow-Vernon clay loams, 1 to 3 percent slopes	D	2.00	0.43	Low
6422	Vernon	Renfrow-Vernon clay loams, 1 to 3 percent slopes	D	1.25	0.37	Low
6432	Ruella	Ruella loam, 0 to 1 percent slopes	B	1.50	0.32	Intermediate
6434	Ruella	Ruella loam, 1 to 3 percent slopes	B	1.50	0.32	Intermediate
6436	Ruella	Ruella loam, 3 to 6 percent slopes	B	1.50	0.32	Intermediate
6445	Vernon	Vernon-Renfrow complex, 3 to 7 percent slopes, eroded	D	1.25	0.37	Low
6445	Renfrow	Vernon-Renfrow complex, 3 to 7 percent slopes, eroded	D	2.00	0.43	Low
6491	Zellmont	Zellmont sandy loam, 1 to 3 percent slopes	B	1.10	0.2	Intermediate
6492	Zellmont	Zellmont sandy loam, 3 to 6 percent slopes	B	1.10	0.2	Intermediate
6493	Zellmont	Zellmont sandy loam, 3 to 6 percent slopes, eroded	B	1.10	0.2	Intermediate
9970	Aquolls	Aquolls	C			High
9982	Fluvents	Fluvents, frequently flooded	B	1.25	0.37	Low

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.