

Leaching Index

Riley County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
3391	Lancaster	Lancaster loam, 3 to 7 percent slopes	C	2.00	0.32	Low
3545	Hobbs	Hobbs silt loam, channeled, frequently flooded	B	3.00	0.32	Low
3561	Hobbs	Hobbs silt loam, occasionally flooded	B	3.00	0.32	Low
3633	Sutphen	Sutphen silty clay, occasionally flooded	D	3.00	0.28	Low
3775	Muir	Muir silt loam, rarely flooded	B	3.00	0.32	Low
3801	Crete	Crete silt loam, 1 to 3 percent slopes, loess plains and breaks	C	3.00	0.37	Low
3802	Crete	Crete silty clay loam, 3 to 7 percent slopes, eroded, loess plains and breaks	C	2.50	0.37	Low
3827	Crete	Crete silty clay loam, 0 to 1 percent slopes	C	3.00	0.37	Low
3828	Crete	Crete silty clay loam, 1 to 3 percent slopes	C	3.00	0.37	Low
3830	Crete	Crete silty clay loam, 3 to 7 percent slopes	C	3.00	0.37	Low
3843	Geary	Geary silt loam, 1 to 3 percent slopes	C	3.00	0.37	Low
3844	Geary	Geary silt loam, 3 to 7 percent slopes	C	3.00	0.37	Low
3884	Kenesaw	Kenesaw silt loam, 2 to 5 percent slopes	B	2.00	0.32	Intermediate
3886	Kenesaw	Kenesaw silt loam, 5 to 12 percent slopes	B	2.00	0.32	Intermediate
3919	Smolan	Smolan silt loam, 1 to 3 percent slopes	C	3.00	0.37	Low
3920	Smolan	Smolan silt loam, 3 to 7 percent slopes	C	3.00	0.37	Low
3923	Smolan	Smolan silty clay loam, 3 to 7 percent slopes, eroded	C	2.00	0.37	Low
4010	Sarpy	Carr-Sarpy complex, occasionally flooded	A	0.50	0.17	Intermediate
4010	Carr	Carr-Sarpy complex, occasionally flooded	B	1.50	0.24	Intermediate
4018	Chase	Chase silty clay loam, very rarely flooded	C	3.40	0.37	Intermediate
4050	Kennebec	Ivan and Kennebec silt loams, occasionally flooded	B	4.00	0.28	Intermediate
4050	Ivan	Ivan and Kennebec silt loams, occasionally flooded	B	3.00	0.32	Intermediate
4051	Ivan	Ivan silt loam, channeled	B	3.00	0.32	Low
4052	Ivan	Ivan silt loam, occasionally flooded	B	3.00	0.32	Low

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4053	Ivan	Ivan silty clay loam, channeled	B	3.00	0.32	Intermediate
4150	Kahola	Kahola silt loam, channeled	B	3.00	0.32	Low
4151	Kahola	Kahola silt loam, occasionally flooded	B	3.00	0.32	Low
4350	Chase	Chase silty clay loam, rarely flooded	C	3.00	0.37	Intermediate
4400	Kahola	Kahola silt loam, rarely flooded	B	3.00	0.32	Low
4525	Benfield	Benfield silty clay loam, 3 to 7 percent slopes	C	2.50	0.32	Low
4530	Florence	Benfield-Florence complex, 5 to 30 percent slopes	C	3.00	0.32	Low
4530	Benfield	Benfield-Florence complex, 5 to 30 percent slopes	C	3.00	0.32	Low
4550	Clime	Clime silty clay loam, 20 to 40 percent slopes, very stony	C	3.00	0.32	Low
4555	Clime	Clime silty clay loam, 3 to 7 percent slopes	C	3.00	0.32	Low
4590	Clime	Clime-Sogn complex, 3 to 20 percent slopes	D	3.00	0.24	Low
4590	Sogn	Clime-Sogn complex, 3 to 20 percent slopes	D	3.00	0.37	Low
4625	Irwin	Dwight-Irwin complex, 1 to 3 percent slopes	D	3.00	0.37	Low
4625	Dwight	Dwight-Irwin complex, 1 to 3 percent slopes	D	3.00	0.43	Low
4630	Irwin	Dwight-Irwin complex, 1 to 3 percent slopes, eroded	D	2.00	0.37	Low
4630	Dwight	Dwight-Irwin complex, 1 to 3 percent slopes, eroded	D	2.50	0.43	Low
4655	Florence	Florence-Labette complex, 2 to 12 percent slopes	C	3.00	0.32	Low
4655	Labette	Florence-Labette complex, 2 to 12 percent slopes	C	3.00	0.32	Low
4671	Irwin	Irwin silty clay loam, 1 to 3 percent slopes	D	3.00	0.37	Low
4673	Irwin	Irwin silty clay loam, 3 to 7 percent slopes	D	3.00	0.37	Low
4674	Irwin	Irwin silty clay loam, 3 to 7 percent slopes, eroded	D	2.50	0.37	Low
4700	Ivan	Ivan silty clay loam, 1 to 3 percent slopes	B	3.00	0.32	Intermediate
4725	Kipson	Kipson-Sogn complex, 5 to 30 percent slopes	D	2.00	0.49	Low

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4725	Sogn	Kipson-Sogn complex, 5 to 30 percent slopes	D	0.75	0.32	Low
4781	Tully	Tully silty clay loam, 1 to 3 percent slopes	C	4.50	0.32	Low
4782	Tully	Tully silty clay loam, 1 to 3 percent slopes, eroded	C	3.00	0.32	Low
4783	Tully	Tully silty clay loam, 3 to 7 percent slopes	C	4.50	0.32	Low
4784	Tully	Tully silty clay loam, 3 to 7 percent slopes, eroded	C	2.50	0.32	Low
4832	Wamego	Wamego silty clay loam, 3 to 7 percent slopes	C	3.00	0.32	Low
7005	Bismarckgrove	Bourbonais-Bismarckgrove complex, occasionally flooded	B	2.50	0.32	Low
7005	Bourbonais	Bourbonais-Bismarckgrove complex, occasionally flooded	C	2.50	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
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
7040	Zeandale	Zeandale silt loam, occasionally flooded	B	1.25	0.32	Intermediate
7050	Kennebec	Kennebec silt loam, occasionally flooded	C	3.00	0.37	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
7070	Paxico	Paxico silt loam, frequently flooded	B	2.00	0.37	Intermediate
7083	Sarpy	Sarpy loamy fine sand, occasionally flooded	A	0.50	0.17	High
7088	Stonehouse	Stonehouse sand, occasionally flooded	A	0.50	0.15	High
7095	Kiro	Kiro silty clay, depressional, occasionally flooded	C	4.00	0.37	High
7104	Belvue	Belvue silt loam, rarely flooded	B	1.00	0.32	Intermediate

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7105	Belvue	Belvue silt loam, escarpment, 2 to 12 percent slopes	B	1.00	0.32	Intermediate
7106	Bismarckgrove	Eudora-Bismarckgrove silt loams, rarely flooded	B	2.50	0.32	Intermediate
7106	Eudora	Eudora-Bismarckgrove silt loams, rarely flooded	B	1.75	0.32	Intermediate
7107	Kimo	Bismarckgrove-Kimo complex, rarely flooded	C	3.00	0.37	Intermediate
7107	Bismarckgrove	Bismarckgrove-Kimo complex, rarely flooded	B	2.50	0.32	Intermediate
7109	Bismarckgrove	Bourbonais-Bismarckgrove complex, rarely flooded	B	2.50	0.32	Intermediate
7109	Bourbonais	Bourbonais-Bismarckgrove complex, rarely flooded	C	1.50	0.32	Intermediate
7119	Eudora	Eudora-Urban land complex, rarely flooded	B	1.75	0.32	Intermediate
7123	Eudora	Eudora silt loam, rarely flooded	B	1.75	0.32	Intermediate
7132	Stonehouse	Stonehouse-Eudora complex, rarely flooded	A	0.50	0.15	High
7132	Eudora	Stonehouse-Eudora complex, rarely flooded	B	1.75	0.32	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
7171	Reading	Reading silt loam, moderately wet, rarely flooded	B	3.00	0.32	Intermediate
7173	Reading	Reading silty clay loam, rarely flooded	B	3.00	0.32	Low
7174	Reading	Reading silt loam, 1 to 3 percent slopes	B	3.00	0.32	Low
7176	Rossville	Rossville silt loam, very rarely flooded	B	2.50	0.28	Intermediate
7209	Muscotah	Muscotah silty clay, 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
7233	Elmont	Elmont silt loam, 3 to 7 percent slopes	B	3.00	0.32	Low
7245	Clime	Elmont-Clime complex, 5 to 15 percent slopes	C	3.00	0.32	Low
7245	Elmont	Elmont-Clime complex, 5 to 15 percent slopes	B	3.00	0.32	Low
7415	Mayberry	Mayberry clay loam, 3 to 7 percent slopes	D	3.00	0.37	High

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7416	Mayberry	Mayberry clay loam, 3 to 7 percent slopes, eroded	D	2.00	0.37	High
7500	Pawnee	Pawnee clay loam, 1 to 3 percent slopes	D	3.00	0.32	Intermediate
7502	Pawnee	Pawnee clay loam, 3 to 6 percent slopes	D	3.00	0.37	High
7680	Wymore	Wymore silty clay loam, 0 to 1 percent slopes	D	3.00	0.37	Intermediate
7681	Wymore	Wymore silty clay loam, 1 to 3 percent slopes	D	3.00	0.37	Intermediate
7682	Wymore	Wymore silty clay loam, 1 to 3 percent slopes, eroded	D	2.50	0.37	Intermediate
7683	Wymore	Wymore silty clay loam, 3 to 6 percent slopes	D	3.00	0.37	High
7684	Wymore	Wymore silty clay loam, 3 to 6 percent slopes, eroded	D	2.50	0.37	Intermediate
7690	Wymore	Wymore-Kennebec complex, 0 to 17 percent slopes	D	3.00	0.37	Intermediate
7690	Kennebec	Wymore-Kennebec complex, 0 to 17 percent slopes	B	4.00	0.28	Intermediate
7740	Haynie	Haynie silt loam, frequently flooded	B	2.00	0.37	Low
7742	Haynie	Haynie very fine sandy loam, occasionally flooded	B	2.00	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.