

# Leaching Index

## Smith County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
2110	Inavale	Inavale loamy fine sand, occasionally flooded	A	0.75	0.17	High
2116	Munjor	Inavale-Munjor complex, occasionally flooded	B	1.00	0.24	High
2116	Inavale	Inavale-Munjor complex, occasionally flooded	A	0.75	0.17	High
2180	Munjor	McCook-Munjor complex, occasionally flooded	B	1.00	0.24	Low
2180	McCook	McCook-Munjor complex, occasionally flooded	B	2.00	0.32	Low
2202	Munjor	Munjor sandy loam, occasionally flooded	B	1.00	0.24	Intermediate
2225	New Cambria	New Cambria silty clay, frequently flooded	C	3.00	0.28	Low
2233	Roxbury	Roxbury loam, channeled	B	3.00	0.32	Low
2234	Roxbury	Roxbury silt loam, channeled	B	3.00	0.32	Low
2235	Roxbury	Roxbury silt loam, frequently flooded	B	3.00	0.32	Low
2236	Roxbury	Roxbury silt loam, occasionally flooded	B	3.00	0.32	Low
2237	Armo	Roxbury-Armo complex, 0 to 3 percent slopes	B	2.00	0.28	Low
2237	Roxbury	Roxbury-Armo complex, 0 to 3 percent slopes	B	3.00	0.32	Low
2264	Roxbury	Tobin and Roxbury silt loams, occasionally flooded	B	3.00	0.32	Low
2264	Tobin	Tobin and Roxbury silt loams, occasionally flooded	B	2.50	0.32	Low
2347	McCook	McCook silt loam, rarely flooded	B	2.00	0.32	Low
2366	New Cambria	New Cambria silty clay, rarely flooded	C	3.00	0.28	Low
2375	Roxbury	Roxbury silt loam, rarely flooded	B	3.00	0.37	Low
2519	Armo	Armo loam, 3 to 7 percent slopes	B	3.00	0.28	Low
2524	Armo	Armo-Bogue complex, 7 to 20 percent slopes	B	3.00	0.28	Low
2524	Bogue	Armo-Bogue complex, 7 to 20 percent slopes	D	2.00	0.28	Low
2536	Bogue	Bogue clay, 3 to 15 percent slopes	D	2.00	0.28	Low
2546	Brownell	Brownell gravelly loam, 2 to 10 percent slopes	B	1.50	0.55	Intermediate
2547	Heizer	Brownell-Heizer gravelly loams, 3 to 30 percent slopes	D	1.50	0.55	Intermediate
2547	Brownell	Brownell-Heizer gravelly loams, 3 to 30 percent slopes	B	1.50	0.55	Intermediate

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2562	Campus	Campus-Canlon complex, 3 to 30 percent slopes	B	1.50	0.28	Intermediate
2562	Canlon	Campus-Canlon complex, 3 to 30 percent slopes	D	2.50	0.32	Intermediate
2592	Corinth	Corinth silty clay loam, 3 to 7 percent slopes	C	0.75	0.37	Low
2612	Harney	Harney silt loam, 0 to 1 percent slopes	C	2.00	0.43	Low
2613	Harney	Harney silt loam, 1 to 3 percent slopes	C	2.00	0.43	Low
2614	Harney	Harney silt loam, 3 to 7 percent slopes	C	2.00	0.43	Low
2617	Harney	Harney silty clay loam, 3 to 7 percent slopes, eroded	B	3.00	0.32	Low
2622	Mento	Harney-Mento complex, 1 to 3 percent slopes	C	2.00	0.37	Low
2622	Harney	Harney-Mento complex, 1 to 3 percent slopes	B	3.00	0.32	Low
2623	Mento	Harney-Mento complex, 3 to 7 percent slopes	C	2.00	0.37	Intermediate
2623	Harney	Harney-Mento complex, 3 to 7 percent slopes	B	3.00	0.32	Intermediate
2660	Heizer	Heizer-Brownell complex, 5 to 30 percent slopes	D	1.50	0.55	Low
2660	Brownell	Heizer-Brownell complex, 5 to 30 percent slopes	B	1.50	0.55	Low
2672	Holdrege	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	B	2.00	0.32	Intermediate
2674	Holdrege	Holdrege silt loam, 1 to 3 percent slopes, plains and breaks	C	2.00	0.49	Low
2675	Holdrege	Holdrege silt loam, 3 to 7 percent slopes, plains and breaks	C	2.00	0.49	Low
2734	Nuckolls	Nuckolls silt loam, 7 to 12 percent slopes	B	2.00	0.32	Low
2738	Nuckolls	Nuckolls-Holdrege silt loams, 3 to 7 percent slopes	B	2.00	0.32	Low
2738	Holdrege	Nuckolls-Holdrege silt loams, 3 to 7 percent slopes	B	2.00	0.32	Low
2740	Nuckolls	Nuckolls-Roxbury silt loams, 0 to 30 percent slopes	B	1.75	0.32	Low
2740	Roxbury	Nuckolls-Roxbury silt loams, 0 to 30 percent slopes	B	3.00	0.32	Low
2753	Penden	Penden loam, 3 to 7 percent slopes	B	2.50	0.28	Low
2817	Uly	Uly silt loam, 3 to 6 percent slopes	B	2.00	0.43	Intermediate

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2819	Uly	Uly silt loam, 6 to 11 percent slopes	B	2.00	0.37	Intermediate
2827	Holdrege	Uly-Holdrege silt loams, 6 to 12 percent slopes	B	2.00	0.32	Intermediate
2827	Uly	Uly-Holdrege silt loams, 6 to 12 percent slopes	B	2.00	0.32	Intermediate
2828	Penden	Uly-Penden complex, 6 to 20 percent slopes	B	2.50	0.28	Low
2828	Uly	Uly-Penden complex, 6 to 20 percent slopes	B	2.00	0.32	Low
2829	Roxbury	Uly-Roxbury silt loams, 0 to 30 percent slopes	B	3.00	0.32	Low
2829	Uly	Uly-Roxbury silt loams, 0 to 30 percent slopes	B	2.00	0.32	Low
2950	Wakeen	Wakeen complex, 5 to 20 percent slopes	B	2.00	0.32	Low
2953	Wakeen	Wakeen silt loam, 3 to 7 percent slopes	B	2.00	0.32	Low
2955	Wakeen	Wakeen silt loam, 7 to 20 percent slopes	B	2.00	0.32	Low
2959	Wakeen	Wakeen-Nibson complex, 7 to 20 percent slopes	B	2.00	0.32	Low
2959	Nibson	Wakeen-Nibson complex, 7 to 20 percent slopes	D	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
3755	Hord	Hord silt loam, rarely flooded	B	3.00	0.32	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 sign-up scores for National ranking subfactor N2 without further code conversion.