

# Leaching Index

## Ness County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
1122	Bridgeport	Bridgeport loam, channeled	B	1.50	0.32	Intermediate
1637	Penden	Kim-Penden clay loams, 6 to 15 percent slopes	B	2.50	0.28	Intermediate
1637	Kim	Kim-Penden clay loams, 6 to 15 percent slopes	B	0.75	0.32	Intermediate
1643	Penden	Kim-Penden silty clay loams, 3 to 6 percent slopes, eroded	B	0.75	0.32	Intermediate
1643	Kim	Kim-Penden silty clay loams, 3 to 6 percent slopes, eroded	B	0.75	0.32	Intermediate
1762	Richfield	Richfield silt loam, 1 to 3 percent slopes	C	1.50	0.43	Low
1770	Ulysses	Richfield-Ulysses silt loams, 1 to 3 percent slopes	C	1.50	0.49	Low
1770	Richfield	Richfield-Ulysses silt loams, 1 to 3 percent slopes	C	2.00	0.43	Low
1859	Ulysses	Ulysses silt loam, 3 to 6 percent slopes	B	2.20	0.43	Low
2235	Roxbury	Roxbury silt loam, frequently flooded	B	2.00	0.32	Low
2236	Roxbury	Roxbury silt loam, occasionally flooded	B	3.00	0.32	Low
2310	Bridgeport	Bridgeport silt loam, rarely flooded	B	2.50	0.32	Low
2375	Roxbury	Roxbury silt loam, rarely flooded	B	3.00	0.37	Low
2562	Canlon	Campus-Canlon complex, 3 to 30 percent slopes	D	0.70	0.32	Intermediate
2562	Campus	Campus-Canlon complex, 3 to 30 percent slopes	B	1.20	0.28	Intermediate
2570	Campus	Canlon-Campus complex, 1 to 40 percent slopes	B	1.20	0.28	Intermediate
2570	Canlon	Canlon-Campus complex, 1 to 40 percent slopes	D	1.00	0.32	Intermediate
2580	Coly	Coly silt loam, 3 to 6 percent slopes	B	2.00	0.43	Intermediate
2588	Uly	Coly-Uly silt loams, 3 to 6 percent slopes, eroded	B	2.00	0.43	Intermediate
2588	Coly	Coly-Uly silt loams, 3 to 6 percent slopes, eroded	B	2.00	0.43	Intermediate
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
2615	Harney	Harney silty clay loam, 1 to 3 percent slopes, eroded	B	1.50	0.32	Intermediate
2627	Uly	Harney-Uly silt loams, 0 to 1 percent slopes	B	1.50	0.32	Low
2627	Harney	Harney-Uly silt loams, 0 to 1 percent slopes	B	2.00	0.32	Low

## Leaching Index Ness County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
2628	Uly	Harney-Uly complex, 1 to 3 percent slopes	B	1.50	0.32	Intermediate
2628	Harney	Harney-Uly complex, 1 to 3 percent slopes	B	2.00	0.32	Intermediate
2630	Harney	Harney-Uly complex, 3 to 6 percent slopes, eroded	B	2.00	0.32	Intermediate
2630	Uly	Harney-Uly complex, 3 to 6 percent slopes, eroded	B	2.00	0.32	Intermediate
2660	Brownell	Heizer-Brownell complex, 5 to 30 percent slopes	B	1.50	0.55	Low
2660	Heizer	Heizer-Brownell complex, 5 to 30 percent slopes	D	1.50	0.55	Low
2662	Wakeen	Heizer-Wakeen complex, 3 to 40 percent slopes	B	0.75	0.32	Low
2662	Heizer	Heizer-Wakeen complex, 3 to 40 percent slopes	D	0.75	0.37	Low
2674	Holdrege	Holdrege silt loam, 1 to 3 percent slopes, plains and breaks	C	2.00	0.49	Low
2714	Ness	Ness clay	D	2.00	0.32	High
2724	Wakeen	Nibson-Wakeen complex, 2 to 40 percent slopes	B	0.75	0.32	Low
2724	Nibson	Nibson-Wakeen complex, 2 to 40 percent slopes	D	0.75	0.32	Low
2726	Nibson	Nibson-Wakeen silt loams, 3 to 20 percent slopes	D	2.00	0.32	Low
2726	Wakeen	Nibson-Wakeen silt loams, 3 to 20 percent slopes	B	2.00	0.32	Low
2745	Penden	Penden clay loam, 1 to 3 percent slopes	B	0.75	0.28	Intermediate
2747	Penden	Penden clay loam, 3 to 7 percent slopes	B	1.50	0.28	Low
2748	Penden	Penden clay loam, 3 to 7 percent slopes, eroded	B	1.50	0.28	Low
2750	Penden	Penden clay loam, 7 to 15 percent slopes	B	0.75	0.28	Intermediate
2754	Penden	Penden loam, 7 to 15 percent slopes	B	2.50	0.28	Low
2758	Penden	Penden-Bridgeport complex, 0 to 15 percent slopes	B	1.50	0.28	Low
2758	Bridgeport	Penden-Bridgeport complex, 0 to 15 percent slopes	B	2.00	0.32	Low
2761	Coly	Penden-Coly complex, 3 to 30 percent slopes	B	0.75	0.43	Low
2761	Penden	Penden-Coly complex, 3 to 30 percent slopes	B	1.50	0.28	Low

# Leaching Index

## Ness County, Kansas

Map Symbol	Soil Name	Map Unit Name	Hydrologic Group	OM %	kfact	Leaching Potential
2762	Humbarger	Penden-Humbarger complex, 0 to 12 percent slopes	B	1.50	0.28	Intermediate
2762	Penden	Penden-Humbarger complex, 0 to 12 percent slopes	B	0.75	0.32	Intermediate
2765	Roxbury	Penden-Roxbury complex, 0 to 15 percent slopes	B	2.00	0.32	Low
2765	Penden	Penden-Roxbury complex, 0 to 15 percent slopes	B	1.50	0.28	Low
2796	Heizer	Rock land-Heizer complex, 3 to 40 percent slopes	D	0.75	0.37	Low
2804	Timken	Timken clay, 3 to 20 percent slopes	D	1.50	0.32	Low
2815	Uly	Uly silt loam, 1 to 3 percent slopes	B	2.00	0.43	Intermediate
2817	Uly	Uly silt loam, 3 to 6 percent slopes	B	2.00	0.43	Intermediate
2821	Uly	Uly-Coly silt loams, 1 to 3 percent slopes, eroded	B	1.50	0.32	Intermediate
2821	Coly	Uly-Coly silt loams, 1 to 3 percent slopes, eroded	B	0.75	0.43	Intermediate
2823	Uly	Uly-Corinth complex, 1 to 3 percent slopes	B	1.50	0.32	Intermediate
2823	Corinth	Uly-Corinth complex, 1 to 3 percent slopes	C	0.75	0.37	Intermediate
2824	Uly	Uly-Corinth complex, 3 to 6 percent slopes	B	1.50	0.32	Intermediate
2824	Corinth	Uly-Corinth complex, 3 to 6 percent slopes	C	0.75	0.37	Intermediate
2829	Uly	Uly-Roxbury silt loams, 0 to 30 percent slopes	B	2.00	0.32	Intermediate
2829	Roxbury	Uly-Roxbury silt loams, 0 to 30 percent slopes	B	3.00	0.32	Intermediate
2951	Wakeen	Wakeen silt loam, 1 to 3 percent slopes	B	2.00	0.32	Low
2953	Wakeen	Wakeen silt loam, 3 to 7 percent slopes	B	2.00	0.32	Low
3725	Detroit	Detroit silty clay loam, rarely flooded	C	2.00	0.37	Low
3760	Hord	Hord silty clay loam, rarely flooded	B	2.00	0.32	Low
9982	Fluvents	Fluvents, frequently flooded	B	1.25	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 signup scores for National ranking subfactor N2 without further code conversion.