

Indiana Nitrate Leaching Index
 Elkhart County, Indiana: Detailed Soil Map Legend

Map symbol	Map unit name	Component	NLI	Rating
AahAK	Abscota loamy sand, 0 to 2 percent slopes, occasionally flooded, brief duration	Abscota	13	High
AbhAN	Adrian muck, drained, 0 to 1 percent slopes	Adrian	13	High
AbhAU	Adrian muck, undrained, 0 to 1 percent slopes	Adrian	4	Moderate
BaaA	Bainter sandy loam, 0 to 1 percent slopes	Bainter	13	High
BaaB	Bainter sandy loam, 1 to 4 percent slopes	Bainter	13	High
BbmA	Baugo silt loam, 0 to 1 percent slopes	Baugo	7	Moderate
BlaA	Blount loam, 0 to 1 percent slopes	Blount	5	Moderate
BlaB	Blount loam, 1 to 4 percent slopes	Blount	5	Moderate
BshA	Brady sandy loam, 0 to 1 percent slopes	Brady	13	High
BteA	Brems loamy sand, 0 to 1 percent slopes	Brems	13	High
BteB	Brems loamy sand, 1 to 4 percent slopes	Brems	13	High
BtxA	Bristol loamy sand, 0 to 2 percent slopes	Bristol	13	High
BtxB	Bristol loamy sand, 2 to 5 percent slopes	Bristol	13	High
BtxC	Bristol loamy sand, 5 to 10 percent slopes	Bristol	13	High
BtxD2	Bristol loamy sand, 10 to 18 percent slopes, eroded	Bristol	13	High
BtxE	Bristol loamy sand, 18 to 30 percent slopes	Bristol	13	High
BuFA	Bronson sandy loam, 0 to 1 percent slopes	Bronson	7	Moderate
BuuA	Brookston loam, 0 to 1 percent slopes	Brookston	7	Moderate
CnbA	Coloma sand, 0 to 2 percent slopes	Coloma	13	High
CnbB	Coloma sand, 2 to 5 percent slopes	Coloma	13	High
CnbC	Coloma sand, 5 to 10 percent slopes	Coloma	13	High
CosA	Cosperville loam, 0 to 2 percent slopes	Cosperville	5	Moderate
CosB	Cosperville loam, 2 to 5 percent slopes	Cosperville	5	Moderate
CvdA	Crosier loam, 0 to 1 percent slopes	Crosier	5	Moderate
CvdB	Crosier loam, 1 to 4 percent slopes	Crosier	5	Moderate
DcrA	Del Rey silty clay loam, 0 to 1 percent slopes	Del Rey	5	Moderate
DdeA	Desker sandy loam, 0 to 1 percent slopes	Desker	13	High
DdeB	Desker sandy loam, 1 to 6 percent slopes	Desker	13	High

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EchAN	Edwards muck, drained, 0 to 1 percent slopes	Edwards	5	Moderate
EchAU	Edwards muck, undrained, 0 to 1 percent slopes	Edwards	4	Moderate
GczA	Gilford sandy loam, 0 to 2 percent slopes, gravelly subsoil	Gilford	7	Moderate
GdnA	Gilford mucky sandy loam, 0 to 1 percent slopes, gravelly subsoil	Gilford	7	Moderate
GlaB	Glynwood loam, 1 to 5 percent slopes	Glynwood	4	Moderate
GlaC	Glynwood loam, 5 to 10 percent slopes	Glynwood	4	Moderate
GndA	Granby loamy sand, 0 to 2 percent slopes	Granby	13	High
GocAK	Gravelton loam, 0 to 1 percent slopes, occasionally flooded, brief duration	Gravelton	7	Moderate
GodAI	Gravelton loam, 0 to 1 percent slopes, frequently flooded, long duration	Gravelton	7	Moderate
HhaAP	Histosols, 0 to 1 percent slopes, ponded	Histosols	4	Moderate
HtbAN	Houghton muck, drained, 0 to 1 percent slopes	Houghton	13	High
HtbAU	Houghton muck, disintegration moraine, 0 to 2 percent slopes	Houghton	4	Moderate
JaaAK	Jamestown silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration	Jamestown	7	Moderate
KimA	Kimmell loam, 0 to 2 percent slopes	Kimmell	5	Moderate
MfrAN	Madaus muck, drained, 0 to 1 percent slopes	Madaus	5	Moderate
MftA	Matherton loam, 0 to 1 percent slopes	Matherton	7	Moderate
MgcA	Maumee loamy sand, 0 to 1 percent slopes	Maumee	13	High
MmbC2	Miami loam, 5 to 10 percent slopes, eroded	Miami	5	Moderate
MmbD2	Miami loam, 10 to 18 percent slopes, eroded	Miami	5	Moderate
MmdC3	Miami clay loam, 5 to 10 percent slopes, severely eroded	Miami	5	Moderate
MmdD3	Miami clay loam, 10 to 18 percent slopes, severely eroded	Miami	5	Moderate
MouA	Milford silty clay loam, 0 to 1 percent slopes	Milford	5	Moderate
MsaA	Mishawaka sandy loam, 0 to 1 percent slopes	Mishawaka	13	High
MvkA	Morocco loamy sand, 0 to 1 percent slopes	Morocco	13	High
MwzAN	Muskego muck, drained, 0 to 1 percent slopes	Muskego	5	Moderate
MwzAU	Muskego muck, undrained, 0 to 1 percent slopes	Muskego	4	Moderate
OmgA	Osolo loamy sand, 0 to 1 percent slopes	Osolo	13	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
OmgB	Osolo loamy sand, 1 to 5 percent slopes	Osolo	13	High
PaaAN	Palms muck, drained, 0 to 1 percent slopes	Palms	7	Moderate
PkdA	Pewamo clay loam, 0 to 2 percent slopes	Pewamo	5	Moderate
Pmg	Pits, gravel	Pits	0	Not Rated
PxlA	Psammaquents	Psammaquents	0	Not Rated
Pxo	Psamments	Psamments	0	Not Rated
ReyA	Rensselaer loam, 0 to 1 percent slopes	Rensselaer	7	Moderate
RopA	Riddles-Oshtemo fine sandy loams, 0 to 1 percent slopes	Riddles	7	Moderate
RopB	Riddles-Oshtemo fine sandy loams, 1 to 5 percent slopes	Riddles	7	Moderate
RoqC2	Riddles-Metea complex, 5 to 10 percent slopes, eroded	Riddles	7	Moderate
RoqD2	Riddles-Metea complex, 10 to 18 percent slopes, eroded	Riddles	7	Moderate
RosE	Riddles-Tyner complex, 18 to 30 percent slopes	Riddles	7	Moderate
ScuA	Sebewa loam, drained, 0 to 1 percent slopes	Sebewa	5	Moderate
SdnA	Sebewa mucky loam, 0 to 1 percent slopes	Sebewa	7	Moderate
Sdza	Selfridge-Crosier complex, 0 to 1 percent slopes	Selfridge	5	Moderate
SdzaB	Selfridge-Brems complex, 1 to 4 percent slopes	Selfridge	5	Moderate
Sn1A	Southwest silt loam, 0 to 1 percent slopes	Southwest	5	Moderate
TxuA	Tyner loamy sand, 0 to 1 percent slopes	Tyner	13	High
TxuB	Tyner loamy sand, 1 to 5 percent slopes	Tyner	13	High
TxuC	Tyner loamy sand, 5 to 10 percent slopes	Tyner	13	High
TxuD	Tyner loamy sand, 10 to 18 percent slopes	Tyner	13	High
TxuF	Tyner loamy sand, 18 to 45 percent slopes	Tyner	13	High
Uam	Udorthents, loamy	Udorthents	0	Not Rated
UdeA	Urban land-Bainter complex, 0 to 1 percent slopes	Bainter	13	High
UdkA	Urban land-Brady complex, 0 to 1 percent slopes	Brady	13	High
UdoA	Urban land-Brems complex, 0 to 1 percent slopes	Brems	13	High
UdpA	Urban land-Bristol complex, 0 to 1 percent slopes	Bristol	13	High
UdpB	Urban land-Bristol complex, 1 to 5 percent slopes	Bristol	13	High

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UdrA	Urban land-Bronson complex, 0 to 1 percent slopes	Bronson	7	Moderate
UeaA	Urban land-Crosier complex, 0 to 3 percent slopes	Crosier	5	Moderate
UeqA	Urban land-Gilford complex, 0 to 1 percent slopes	Gilford	13	High
UfzA	Urban land-Mishawaka complex, 0 to 1 percent slopes	Mishawaka	13	High
UgaA	Urban land-Morocco complex, 0 to 1 percent slopes	Morocco	13	High
UglA	Urban land-Osolo complex, 0 to 1 percent slopes	Osolo	13	High
UgrA	Urban land-Rensselaer complex, 0 to 1 percent slopes	Rensselaer	7	Moderate
UgsB	Urban land-Riddles-Oshtemo complex, 1 to 5 percent slopes	Riddles	7	Moderate
UgvA	Urban land-Tyner complex, 0 to 1 percent slopes	Tyner	13	High
UgvB	Urban land-Tyner complex, 1 to 5 percent slopes	Tyner	13	High
UgwA	Urban land-Vistula complex, 0 to 1 percent slopes	Vistula	13	High
UhbA	Urban land-Volinia complex, 0 to 1 percent slopes	Volinia	7	Moderate
Usl	Udorthents, rubbish	Udorthents, Rubbish	0	Not Rated
VnxA	Vistula loamy sand, 0 to 1 percent slopes	Vistula	13	High
VolA	Volinia loam, 0 to 1 percent slopes	Volinia	7	Moderate
W	Water	Water	0	Not Rated
WcnAI	Waterford loam, 0 to 2 percent slopes, frequently flooded, long duration	Waterford	4	Moderate
WoaA	Williamstown loam, 0 to 1 percent slopes	Williamstown	5	Moderate
WoaC2	Williamstown loam, 5 to 10 percent slopes, eroded	Williamstown	5	Moderate
WobB	Williamstown-Crosier complex, 1 to 5 percent slopes	Williamstown	5	Moderate
WodC3	Williamstown clay loam, 5 to 10 percent slopes, severely eroded	Williamstown	5	Moderate
WrxAN	Wunabuna silt loam, drained, 0 to 1 percent slopes	Wunabuna	7	Moderate

Nitrate Leaching Index

Nitrate Leaching Index (NLI) was developed using annual precipitation, rainfall distribution data and hydrologic soil groups. The NLI is used to determine the degree to which water percolates below the crop rooting zone in certain soils.

Rating classes

- LI 0 Not Rated
- LI 1 - 2 Low probability for leaching loss.
- LI 3 - 9 Moderate probability for leaching loss.
- LI 10+ High probability for leaching loss.