

Indiana Nitrate Leaching Index  
 Marshall 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	16	High
AatAN	Ackerman muck, drained, 0 to 1 percent slopes	Ackerman	7	Moderate
AbhAN	Adrian muck, drained, 0 to 1 percent slopes	Adrian	16	High
AbhAU	Adrian muck, undrained, 0 to 1 percent slopes	Adrian	5	Moderate
ApuAN	Antung muck, drained, 0 to 1 percent slopes	Antung	16	High
ApuAU	Antung muck, undrained, 0 to 1 percent slopes	Antung	5	Moderate
BshA	Brady sandy loam, 0 to 1 percent slopes	Brady	16	High
BsxA	Brems-Morocco loamy sands, 0 to 1 percent slopes	Brems	16	High
BteA	Brems loamy sand, 0 to 1 percent slopes	Brems	16	High
BtxA	Bristol loamy sand, 0 to 2 percent slopes	Bristol	16	High
BtxB	Bristol loamy sand, 2 to 5 percent slopes	Bristol	16	High
BuFA	Bronson sandy loam, 0 to 1 percent slopes	Bronson	10	High
BuuA	Brookston loam, 0 to 1 percent slopes	Brookston	10	High
CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration	Cohoctah	16	High
CnbA	Coloma sand, 0 to 2 percent slopes	Coloma	16	High
CnbB	Coloma sand, 2 to 5 percent slopes	Coloma	16	High
CnbC	Coloma sand, 5 to 10 percent slopes	Coloma	16	High
CvdA	Crosier loam, 0 to 1 percent slopes	Crosier	7	Moderate
CvdB	Crosier loam, 1 to 4 percent slopes	Crosier	7	Moderate
CwkA	Crumstown fine sandy loam, 0 to 1 percent slopes	Crumstown	16	High
CwkB	Crumstown fine sandy loam, 1 to 5 percent slopes	Crumstown	16	High
EchAN	Edwards muck, drained, 0 to 1 percent slopes	Edwards	7	Moderate
EchAU	Edwards muck, undrained, 0 to 1 percent slopes	Edwards	5	Moderate
EcrAN	Edselton muck, drained, 0 to 1 percent slopes	Edselton	7	Moderate
EcrAU	Edselton muck, undrained, 0 to 1 percent slopes	Edselton	5	Moderate
EmdA	Elston sandy loam, 0 to 2 percent slopes	Elston	16	High
GczA	Gilford sandy loam, 0 to 2 percent slopes, gravelly subsoil	Gilford	10	High

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GdnA	Gilford mucky sandy loam, 0 to 1 percent slopes, gravelly subsoil	Gilford	10	High
HfbAN	Henrietta muck, drained, 0 to 1 percent slopes	Henrietta	10	High
HtbAN	Houghton muck, drained, 0 to 1 percent slopes	Houghton	16	High
HtbAU	Houghton muck, disintegration moraine, 0 to 2 percent slopes	Houghton	5	Moderate
JaaAK	Jamestown silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration	Jamestown	10	High
LpvA	Linkville sandy loam, 0 to 1 percent slopes	Linkville	10	High
LpvB	Linkville sandy loam, 1 to 4 percent slopes	Linkville	10	High
MaxAN	Maxinkuckee muck, drained, 0 to 1 percent slopes	Maxinkuckee	7	Moderate
MfrAN	Madaus muck, drained, 0 to 1 percent slopes	Madaus	7	Moderate
MgdAN	Martisco muck, drained, 0 to 1 percent slopes	Martisco	7	Moderate
MhbA	Maumee mucky loamy fine sand, 0 to 1 percent slopes	Maumee	16	High
MouA	Milford silty clay loam, 0 to 1 percent slopes	Milford	7	Moderate
MvhAN	Moston muck, drained, 0 to 1 percent slopes	Moston	7	Moderate
MvhAU	Moston muck, undrained, 0 to 1 percent slopes	Moston	5	Moderate
MvkA	Morocco loamy sand, 0 to 1 percent slopes	Morocco	16	High
MwzAN	Muskego muck, drained, 0 to 1 percent slopes	Muskego	7	Moderate
MwzAU	Muskego muck, undrained, 0 to 1 percent slopes	Muskego	5	Moderate
NoeA	Newton loamy fine sand, 0 to 1 percent slopes	Newton	16	High
OlcA	Oshtemo sandy loam, 0 to 1 percent slopes	Oshtemo	16	High
OlcB	Oshtemo sandy loam, 1 to 5 percent slopes	Oshtemo	16	High
OlcC2	Oshtemo sandy loam, 5 to 10 percent slopes, eroded	Oshtemo	16	High
OlcD	Oshtemo sandy loam, 10 to 18 percent slopes	Oshtemo	16	High
OmgA	Osolo loamy sand, 0 to 1 percent slopes	Osolo	16	High
OmgB	Osolo loamy sand, 1 to 5 percent slopes	Osolo	16	High
OndA	Owosso sandy loam, 0 to 2 percent slopes	Owosso	10	High
PaaAN	Palms muck, drained, 0 to 1 percent slopes	Palms	10	High
PaaAU	Palms muck, undrained, 0 to 1 percent slopes	Palms	5	Moderate
Pmg	Pits, gravel	Pits	0	Not Rated

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PnyA	Pinhook sandy loam, 0 to 2 percent slopes	Pinhook	16	High
PrxA	Plainfield sand, 0 to 2 percent slopes	Plainfield	16	High
PrxB	Plainfield sand, 2 to 6 percent slopes	Plainfield	16	High
PrxC	Plainfield sand, 6 to 12 percent slopes	Plainfield	16	High
PrxD	Plainfield sand, 12 to 18 percent slopes	Plainfield	16	High
PxlA	Psammaquents	Psammaquents	0	Not Rated
Pxo	Psamments	Psamments	0	Not Rated
RenA	Rensselaer mucky loam, 0 to 1 percent slopes	Rensselaer	10	High
ReyA	Rensselaer loam, 0 to 1 percent slopes	Rensselaer	10	High
RopA	Riddles-Oshtemo fine sandy loams, 0 to 1 percent slopes	Riddles	10	High
RopB	Riddles-Oshtemo fine sandy loams, 1 to 5 percent slopes	Riddles	10	High
RopC2	Riddles-Oshtemo fine sandy loams, 5 to 10 percent slopes, eroded	Riddles	10	High
RoqB	Riddles-Metea complex, 1 to 5 percent slopes	Riddles	10	High
RoqC2	Riddles-Metea complex, 5 to 10 percent slopes, eroded	Riddles	10	High
RoqD2	Riddles-Metea complex, 10 to 18 percent slopes, eroded	Riddles	10	High
SdzA	Selfridge-Crosier complex, 0 to 1 percent slopes	Selfridge	7	Moderate
SdzaB	Selfridge-Brems loamy sands, 1 to 4 percent slopes	Selfridge	7	Moderate
SkGA	Shipshe sandy loam, 0 to 2 percent slopes	Shipshe	16	High
Sn1A	Southwest silt loam, 0 to 1 percent slopes	Southwest	7	Moderate
TnwA	Troxel silt loam, 0 to 1 percent slopes	Troxel	10	High
TxuA	Tyner loamy sand, 0 to 1 percent slopes	Tyner	16	High
TxuB	Tyner loamy sand, 1 to 5 percent slopes	Tyner	16	High
TxuC	Tyner loamy sand, 5 to 10 percent slopes	Tyner	16	High
Uam	Udorthents, loamy	Udorthents	0	Not Rated
UdkA	Urban land-Brady complex, 0 to 1 percent slopes	Brady	16	High
UdrA	Urban land-Bronson complex, 0 to 1 percent slopes	Bronson	10	High
UeaA	Urban land-Crosier complex, 0 to 3 percent slopes	Crosier	7	Moderate
UeqA	Urban land-Gilford complex, 0 to 1 percent slopes	Gilford	16	High

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UewA	Urban land-Brems-Morocco complex, 0 to 1 percent slopes	Brems	16	High
UfbA	Urban land-Brookston complex, 0 to 1 percent slopes	Brookston	10	High
UfhB	Urban land-Coloma complex, 2 to 5 percent slopes	Coloma	16	High
UfhC	Urban land-Coloma complex, 5 to 10 percent slopes	Coloma	16	High
UgrA	Urban land-Rensselaer complex, 0 to 1 percent slopes	Rensselaer	10	High
UgsA	Urban land-Riddles-Oshtemo complex, 0 to 1 percent slopes	Riddles	10	High
UgsB	Urban land-Riddles-Oshtemo complex, 1 to 5 percent slopes	Riddles	10	High
UgvA	Urban land-Tyner complex, 0 to 1 percent slopes	Tyner	16	High
UgvB	Urban land-Tyner complex, 1 to 5 percent slopes	Tyner	16	High
UgvC	Urban land-Tyner complex, 5 to 10 percent slopes	Tyner	16	High
UgvD	Urban land-Tyner complex, 10 to 18 percent slopes	Tyner	16	High
UkxA	Urban land-Oshtemo complex, 0 to 1 percent slopes	Oshtemo	16	High
UkxB	Urban land-Oshtemo complex, 1 to 5 percent slopes	Oshtemo	16	High
UkxC	Urban land-Oshtemo complex, 5 to 10 percent slopes	Oshtemo	16	High
UmfB	Urban land-Riddles-Metea complex, 1 to 5 percent slopes	Riddles	10	High
UmfC	Urban land-Riddles-Metea complex, 5 to 10 percent slopes	Riddles	10	High
UmfD	Urban land-Riddles-Metea complex, 10 to 18 percent slopes	Riddles	10	High
UmuA	Urban land-Southwest complex, 0 to 1 percent slopes	Southwest	7	Moderate
UmxA	Urban land-Troxel complex, 0 to 1 percent slopes	Troxel	10	High
UnoA	Urban land-Whitaker complex, 0 to 1 percent slopes	Whitaker	10	High
UntA	Urban land-Wunabuna complex, 0 to 1 percent slopes	Wunabuna	10	High
Usl	Udorthents, rubbish	Udorthents, Rubbish	0	Not Rated
W	Water	Water	0	Not Rated
WciAH	Waterford-Cohoctah loams, 0 to 2 percent slopes, frequently flooded, brief duration	Waterford	19	High
WcnAI	Waterford loam, 0 to 2 percent slopes, frequently flooded, long duration	Waterford	5	Moderate
WftA	Washtenaw silt loam, 0 to 2 percent slopes	Washtenaw	7	Moderate
WkxB	Wawasee sandy loam, 2 to 6 percent slopes	Wawasee	10	High

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WkxC2	Wawasee sandy loam, 6 to 12 percent slopes, eroded	Wawasee	10	High
WkxD3	Wawasee sandy clay loam, 12 to 18 percent slopes, severely eroded	Wawasee	10	High
WoaA	Williamstown loam, 0 to 1 percent slopes	Williamstown	7	Moderate
WoaB2	Williamstown loam, 1 to 5 percent slopes, eroded	Williamstown	7	Moderate
WoaC2	Williamstown loam, 5 to 10 percent slopes, eroded	Williamstown	7	Moderate
WobB	Williamstown-Crosier loams, 1 to 5 percent slopes	Williamstown	7	Moderate
WrxAN	Wunabuna silt loam, drained, 0 to 1 percent slopes	Wunabuna	10	High
WtbA	Whitaker loam, 0 to 1 percent slopes	Whitaker	10	High

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.