

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

Map symbol	Map unit name	Component	NLI	Rating
AbgAU	Adrian muck, undrained, 0 to 1 percent slopes	Adrian	7	Moderate
AfeC	Alvin-Bloomfield loamy sands, 6 to 12 percent slopes	Alvin	21	High
AfeD	Alvin-Bloomfield loamy sands, 12 to 18 percent slopes	Alvin	21	High
AffeE	Alvin-Bloomfield-Princeton complex, 18 to 25 percent slopes	Alvin	21	High
AfsB	Alvin-Princeton fine sandy loams, 2 to 6 percent slopes	Alvin	21	High
AfsC	Alvin-Princeton fine sandy loams, 6 to 12 percent slopes	Alvin	21	High
AftD	Alvin-Princeton sandy loams, 12 to 18 percent slopes	Alvin	21	High
AhrAK	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded, brief duration	Armiesburg	13	High
AkeB2	Arney silt loam, 2 to 6 percent slopes, eroded	Arney	10	High
AloB2	Ava silt loam, 2 to 6 percent slopes, eroded	Ava	10	High
AmkA	Ayrshire fine sandy loam, 0 to 2 percent slopes	Ayrshire	13	High
BdxAV	Belknap silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Belknap	13	High
BgeAH	Birds silt loam, 0 to 1 percent slopes, frequently flooded, brief duration	Birds	7	Moderate
BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration	Bonnie	10	High
CkkB2	Cincinnati silt loam, Wabash Lowland, 2 to 6 percent slopes, eroded	Cincinnati	10	High
CkkC2	Cincinnati silt loam, Wabash Lowland, 6 to 12 percent slopes, eroded	Cincinnati	10	High
CkkC3	Cincinnati silt loam, Wabash Lowland, 6 to 12 percent slopes, severely eroded	Cincinnati	7	Moderate
CkkD2	Cincinnati silt loam, 12 to 18 percent slopes, eroded	Cincinnati	10	High
CspC2	Crider silt loam, 6 to 12 percent slopes, eroded	Crider	13	High
CspC3	Crider silt loam, 6 to 12 percent slopes, severely eroded	Crider	13	High
DfnA	Dubois silt loam, 0 to 2 percent slopes	Dubois	10	High
EaaD2	Ebal silt loam, 12 to 18 percent slopes, eroded	Ebal	10	High
GaaE2	Gallimore loam, 18 to 25 percent slopes, eroded	Gallimore	13	High
GabG	Gallimore-Chetwynd complex, 25 to 70 percent slopes	Gallimore	13	High
GblAH	Gessie silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Gessie	13	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
GmCD3	Grayford silt loam, 12 to 18 percent slopes, severely eroded	Grayford	13	High
GmCE2	Grayford silt loam, 18 to 25 percent slopes, eroded	Grayford	13	High
Gmhd2	Grayford-Ryker silt loams, 12 to 18 percent slopes, eroded	Grayford	13	High
GmpE2	Greybrook silt loam, 18 to 25 percent slopes, eroded	Greybrook	10	High
GmpF	Greybrook silt loam, 25 to 35 percent slopes	Greybrook	10	High
HarD2	Haggatt silt loam, 12 to 18 percent slopes, eroded	Haggatt	13	High
HarD3	Haggatt silt loam, 12 to 18 percent slopes, severely eroded	Haggatt	13	High
HasE2	Haggatt-Caneyville silt loams, 18 to 25 percent slopes, eroded	Haggatt	13	High
HccA	Haubstadt silt loam, 0 to 2 percent slopes	Haubstadt	10	High
HccB2	Haubstadt silt loam, 2 to 6 percent slopes, eroded	Haubstadt	10	High
HccC3	Haubstadt silt loam, 6 to 12 percent slopes, severely eroded	Haubstadt	7	Moderate
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Haymond	13	High
HchA	Haymond silt loam, sinkhole, 0 to 2 percent slopes	Haymond	13	High
HefG	Hickory loam, 45 to 70 percent slopes	Hickory	13	High
Held2	Hickory-Stinesville silt loams, karst, hilly, eroded	Hickory	13	High
HeoE	Hickory silt loam, 18 to 25 percent slopes	Hickory	13	High
HeoE3	Hickory silt loam, 18 to 25 percent slopes, severely eroded	Hickory	13	High
HeoG	Hickory silt loam, 25 to 70 percent slopes	Hickory	13	High
HepG	Hickory-Adyeville complex, 35 to 60 percent slopes	Hickory	13	High
HesG	Hickory-Chetwynd loams, 35 to 70 percent slopes	Hickory	13	High
HeuE	Hickory-Wellston silt loams, 18 to 25 percent slopes	Hickory	13	High
HeuF	Hickory-Wellston silt loams, 25 to 35 percent slopes	Hickory	13	High
HkaB	Hollybrook silt loam, 1 to 5 percent slopes	Hollybrook	7	Moderate
HleAV	Holton silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Holton	13	High
HnoA	Hoosierville silt loam, 0 to 1 percent slopes	Hoosierville	13	High
LnfA	Lieber silt loam, 0 to 2 percent slopes	Lieber	10	High
LnfB	Lieber silt loam, 2 to 4 percent slopes	Lieber	10	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
MecA	Martinsville loam, 0 to 2 percent slopes	Martinsville	13	High
MecAQ	Martinsville loam, 0 to 2 percent slopes, rarely flooded	Martinsville	13	High
MecB	Martinsville loam, 2 to 6 percent slopes	Martinsville	13	High
MhhAH	McAdoo silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	McAdoo	13	High
MhhAK	McAdoo silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	McAdoo	13	High
MhuA	McGary silt loam, 0 to 2 percent slopes	McGary	10	High
MrcG	Minnehaha silty clay loam, 35 to 75 percent slopes	Minnehaha	21	High
MsvA	Montgomery silty clay loam, 0 to 1 percent slopes	Montgomery	10	High
MvrAH	Moundhaven loamy fine sand, 0 to 2 percent slopes, frequently flooded, brief duration	Moundhaven	21	High
NbhAH	Newark silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Newark	13	High
OfaAV	Oldenburg silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Oldenburg	13	High
OfcAV	Oldenburg fine sandy loam, sandy substratum, 0 to 2 percent slopes, frequently flooded, very brief duration	Oldenburg	13	High
OfeB	Olephant silt loam, 1 to 3 percent slopes	Olephant	10	High
OmkC2	Otwell silt loam, 6 to 12 percent slopes, eroded	Otwell	10	High
OmkC3	Otwell silt loam, 6 to 12 percent slopes, severely eroded	Otwell	10	High
OmkD3	Otwell silt loam, 12 to 18 percent slopes, severely eroded	Otwell	10	High
Pbbc2	Parke silt loam, 6 to 12 percent slopes, eroded	Parke	13	High
Pbbc3	Parke silt loam, 6 to 12 percent slopes, severely eroded	Parke	13	High
PbbD2	Parke silt loam, 12 to 18 percent slopes, eroded	Parke	13	High
PbbD3	Parke silt loam, 12 to 18 percent slopes, severely eroded	Parke	13	High
PcnA	Patrickburg silt loam, 0 to 2 percent slopes	Patrickburg	10	High
PcrAQ	Pekin silt loam, 0 to 2 percent slopes, rarely flooded	Pekin	10	High
PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded	Pekin	10	High
PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded	Pekin	10	High
PhaA	Peoga silt loam, 0 to 1 percent slopes	Peoga	10	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
PhaAP	Peoga silt loam, ponded, 0 to 1 percent slopes	Peoga	7	Moderate
PlcAV	Piankeshaw silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Piankeshaw	13	High
PlfA	Pike silt loam, 0 to 2 percent slopes	Pike	13	High
PlfB2	Pike silt loam, 2 to 6 percent slopes, eroded	Pike	13	High
Pml	Pits, quarry	Pits, quarries	0	Not Rated
PrwAV	Pope fine sandy loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Pope	21	High
PryB	Potawatomi silt loam, 1 to 3 percent slopes	Potawatomi	10	High
PsaD3	Pottersville silt loam, 12 to 18 percent slopes, severely eroded	Pottersville	10	High
PsaG	Pottersville silt loam, 25 to 50 percent slopes	Pottersville	10	High
PsbF	Pottersville silt loam, karst, steep	Pottersville	10	High
Rnn	Riverwash	Riverwash	0	Not Rated
RpzG	Romona-Corydon-Rock outcrop complex, 35 to 60 percent slopes	Romona	10	High
RtcC3	Ryker silt loam, 6 to 12 percent slopes, severely eroded	Ryker	13	High
SfoA	Shakamak silt loam, 1 to 3 percent slopes	Shakamak	10	High
SfyB2	Shircliff silt loam, 2 to 6 percent slopes, eroded	Shircliff	10	High
Sfyc2	Shircliff silt loam, 6 to 12 percent slopes, eroded	Shircliff	10	High
SneC2	Solsberry silt loam, 6 to 12 percent slopes, eroded	Solsberry	10	High
SneC3	Solsberry silt loam, 6 to 12 percent slopes, severely eroded	Solsberry	7	Moderate
SneD2	Solsberry silt loam, 12 to 18 percent slopes, eroded	Solsberry	10	High
SneD3	Solsberry silt loam, 12 to 18 percent slopes, severely eroded	Solsberry	7	Moderate
SneD5	Solsberry silt loam, 12 to 18 percent slopes, gullied	Solsberry	7	Moderate
StaAV	Steff silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Steff	13	High
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Stendal	13	High
StfB2	Stinesville silt loam, 2 to 6 percent slopes, eroded	Stinesville	13	High
StfC2	Stinesville silt loam, 6 to 12 percent slopes, eroded	Stinesville	13	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
StgC2	Stinesville-Ryker-Grayford silt loams, karst, rolling, eroded	Stinesville	13	High
StgD2	Stinesville-Ryker-Grayford silt loams, karst, hilly, eroded	Stinesville	13	High
SupAH	Stonelick sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration	Stonelick	21	High
SwhG	Stubenville-Hickory complex, 35 to 70 percent slopes	Stubenville	13	High
TadA	Taggart silt loam, 0 to 2 percent slopes	Taggart	13	High
TahB	Tapawingo and Nawakwa silt loams, 2 to 8 percent slopes	Tapawingo	7	Moderate
TcgG	Tipsaw-Rock outcrop complex, 35 to 70 percent slopes	Tipsaw	10	High
TtaG	Tulip-Tipsaw complex, 25 to 60 percent slopes	Tulip	10	High
TtcE	Tulip-Wellston-Adyeville silt loams, 18 to 25 percent slopes	Tulip	10	High
Uaa	Udorthents, cut and filled	Udorthents	0	Not Rated
VdgA	Vigo silt loam, 0 to 2 percent slopes	Vigo	10	High
W	Water	Water	0	Not Rated
WeaA	Wea, sandy substratum-Elston complex, 0 to 2 percent slopes	Wea	13	High
WeaAQ	Wea, sandy substratum-Elston complex, 0 to 2 percent slopes, rarely flooded	Wea	13	High
WhfD2	Wellston silt loam, 12 to 18 percent slopes, eroded	Wellston	13	High
WlmAK	Whitaker loam, 0 to 2 percent slopes, occasionally flooded, brief duration	Whitaker	13	High
WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Wilbur	13	High
WolAI	Wilhite silty clay, 0 to 1 percent slopes, frequently flooded, long duration	Wilhite	7	Moderate
WomAH	Wilhite silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration	Wilhite	7	Moderate
WprAQ	Wirt loam, 0 to 2 percent slopes, rarely flooded	Wirt	13	High
WpuAK	Wirt silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	Wirt	13	High
WpuAV	Wirt silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Wirt	13	High
WpyBJ	Wirt-Pekin silt loams, 0 to 6 percent slopes, frequently flooded, very long duration	Wirt	13	High
ZamB2	Apalona-Zanesville silt loams, 2 to 6 percent slopes, eroded	Apalona	7	Moderate

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Map symbol	Map unit name	Component	NLI	Rating
ZamC2	Apalona-Zanesville silt loams, 6 to 12 percent slopes, eroded	Apalona	7	Moderate
ZamC3	Apalona-Zanesville silt loams, 6 to 12 percent slopes, severely eroded	Apalona	7	Moderate
ZamD2	Zanesville silt loam, soft bedrock substratum, 12 to 18 percent slopes, eroded	Zanesville	10	High
ZamD5	Zanesville silt loam, soft bedrock substratum, 12 to 18 percent slopes, gullied	Zanesville	7	Moderate
ZapD3	Zanesville, soft bedrock substratum-Tulip silt loams, 12 to 18 percent slopes, severely eroded	Zanesville	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.