

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

Map symbol	Map unit name	Component	NLI	Rating
BbA	Birkbeck silt loam, 0 to 2 percent slopes	Birkbeck	7	Moderate
BbB1	Birkbeck silt loam, 2 to 6 percent slopes, slightly eroded	Birkbeck	7	Moderate
BbB2	Birkbeck silt loam, 2 to 6 percent slopes, moderately eroded	Birkbeck	7	Moderate
Bp	Borrow pits	Borrow pits	0	Not Rated
Br	Brookston silt loam	Brookston	11	High
By	Brookston silty clay loam, 0 to 2 percent slopes	Brookston	11	High
Co	Cope silt loam	Cope	11	High
Cp	Cope silty clay loam	Cope	11	High
CrA	Crosby silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	Crosby	7	Moderate
CrB2	Crosby silt loam, 2 to 6 percent slopes, moderately eroded	Crosby	5	Moderate
De	Delmar silt loam	Delmar	11	High
Ee	Eel loam	Eel	7	Moderate
Es	Eel silt loam	Eel	7	Moderate
FaB	Fairmount silty clay loam, 2 to 6 percent slopes	Fairmount	5	Moderate
FaC	Fairmount silty clay loam, 6 to 12 percent slopes	Fairmount	5	Moderate
FaD	Fairmount silty clay loam, 12 to 18 percent slopes	Fairmount	5	Moderate
FaE	Fairmount silty clay loam, 18 to 25 percent slopes	Fairmount	5	Moderate
FaF	Fairmount silty clay loam, 25 to 35 percent slopes	Fairmount	5	Moderate
FaG	Fairmount silty clay loam, 35 to 50 percent slopes	Fairmount	5	Moderate
FcA	Fincastle silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	Fincastle	11	High
FcB1	Fincastle silt loam, 2 to 6 percent slopes, slightly eroded	Fincastle	7	Moderate
FeA	Fincastle-Crosby silt loams, 0 to 2 percent slopes	Fincastle	11	High
FeB	Fincastle and Crosby silt loams, 2 to 6 percent slopes	Crosby	5	Moderate
FeB2	Fincastle and Crosby silt loams, 2 to 6 percent slopes, eroded	Crosby	5	Moderate
FmA	Fox loam, 0 to 2 percent slopes	Fox	11	High
FmB1	Fox loam, 2 to 6 percent slopes, slightly eroded	Fox	11	High
FmB2	Fox loam, 2 to 6 percent slopes, moderately eroded	Fox	11	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
FmC2	Fox loam, 6 to 12 percent slopes, moderately eroded	Fox	11	High
FnA	Fox silt loam, 0 to 2 percent slopes	Fox	11	High
FnB1	Fox silt loam, 2 to 6 percent slopes, slightly eroded	Fox	11	High
FnB2	Fox silt loam, 2 to 6 percent slopes, moderately eroded	Fox	11	High
FnC2	Fox silt loam, 6 to 12 percent slopes, moderately eroded	Fox	11	High
FnD1	Fox silt loam, 12 to 18 percent slopes, slightly eroded	Fox	11	High
FnD2	Fox silt loam, 12 to 18 percent slopes, moderately eroded	Fox	11	High
FoB2	Fox silt loam, kames, 2 to 6 percent slopes, moderately eroded	Fox	11	High
FoC2	Fox silt loam, kames, 6 to 12 percent slopes, moderately eroded	Fox	11	High
FpC3	Fox soils, 6 to 12 percent slopes, severely eroded	Fox	11	High
FrC3	Fox soils, kames, 6 to 12 percent slopes, severely eroded	Fox	11	High
FsD2	Fox and Rodman loams, 12 to 18 percent slopes, moderately eroded	Fox	11	High
FtD2	Fox and Rodman loams, kames, 12 to 18 percent slopes, moderately eroded	Fox	11	High
FtE2	Fox and Rodman loams, kames, 18 to 25 percent slopes, moderately eroded	Rodman	11	High
FvD3	Fox and Rodman soils, 12 to 18 percent slopes, severely eroded	Fox	18	High
FxD3	Fox and Rodman soils, kames, 12 to 18 percent slopes, severely eroded	Rodman	18	High
Ge	Genesee fine sandy loam	Genesee	11	High
Gg	Genesee gravelly loam	Genesee	11	High
Gm	Genesee loam	Genesee	11	High
Go	Genesee loam, high bottom	Genesee	11	High
Gs	Genesee silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Genesee	11	High
Gt	Genesee silt loam, 0 to 2 percent slopes, occasionally flooded	Genesee	11	High
Gv	Gravel pits	Pits, gravel	0	Not Rated
HeF1	Hennepin loam, 25 to 35 percent slopes, slightly eroded	Hennepin	7	Moderate

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
HeF2	Hennepin loam, 25 to 35 percent slopes, moderately eroded	Hennepin	7	Moderate
HeG1	Hennepin loam, 35 to 50 percent slopes, slightly eroded	Hennepin	7	Moderate
HeG2	Hennepin loam, 35 to 50 percent slopes, moderately eroded	Hennepin	7	Moderate
Ho	Homer silt loam	Homer	11	High
Ko	Kokomo silty clay loam, 0 to 2 percent slopes	Kokomo	7	Moderate
La	Lake beach	Lake beach	0	Not Rated
Ma	Made land	Made land	0	Not Rated
MbA	Manlove silt loam, 0 to 2 percent slopes	Manlove	7	Moderate
MbB1	Manlove silt loam, 2 to 6 percent slopes, slightly eroded	Manlove	11	High
MbB2	Manlove silt loam, 2 to 6 percent slopes, moderately eroded	Manlove	11	High
McA	Martinsville silt loam, 0 to 2 percent slopes	Martinsville	11	High
McB1	Martinsville silt loam, 2 to 6 percent slopes, slightly eroded	Martinsville	11	High
McB2	Martinsville silt loam, 2 to 6 percent slopes, moderately eroded	Martinsville	11	High
McC2	Martinsville silt loam, 6 to 12 percent slopes, moderately eroded	Martinsville	11	High
MmA	Miami silt loam, 0 to 2 percent slopes	Miami	7	Moderate
MmB1	Miami silt loam, 2 to 6 percent slopes, slightly eroded	Miami	7	Moderate
MmB2	Miami silt loam, 2 to 6 percent slopes, moderately eroded	Miami	7	Moderate
MmC1	Miami silt loam, 6 to 12 percent slopes, slightly eroded	Miami	7	Moderate
MmC2	Miami silt loam, 6 to 12 percent slopes, moderately eroded	Miami	7	Moderate
MmD1	Miami silt loam, 12 to 18 percent slopes, slightly eroded	Miami	7	Moderate
MmD2	Miami silt loam, 12 to 18 percent slopes, moderately eroded	Miami	7	Moderate
MmE1	Miami silt loam, 18 to 25 percent slopes, slightly eroded	Miami	7	Moderate
MmE2	Miami silt loam, 18 to 25 percent slopes, moderately eroded	Miami	7	Moderate
MSc3	Miami soils, 6 to 12 percent slopes, severely eroded	Miami	5	Moderate
MsD3	Miami soils, 12 to 18 percent slopes, severely eroded	Miami	5	Moderate
MSE3	Miami soils, 18 to 25 percent slopes, severely eroded	Miami	5	Moderate
MtB1	Milton silt loam, 2 to 6 percent slopes, slightly eroded	Milton	7	Moderate

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Map symbol	Map unit name	Component	NLI	Rating
MtB2	Milton silt loam, 2 to 6 percent slopes, moderately eroded	Milton	7	Moderate
Nn	Nineveh loam	Nineveh	11	High
OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	11	High
OcB1	Ockley silt loam, 2 to 6 percent slopes, slightly eroded	Ockley	11	High
OcB2	Ockley silt loam, 2 to 6 percent slopes, moderately eroded	Ockley	11	High
OcC2	Ockley silt loam, 6 to 12 percent slopes, moderately eroded	Ockley	11	High
OkB3	Ockley soils, 2 to 6 percent slopes, severely eroded	Ockley	11	High
OkC3	Ockley soils, 6 to 12 percent slopes, severely eroded	Ockley	11	High
ReA	Reesville silt loam, 0 to 2 percent slopes	Reesville	7	Moderate
ReA2	Reesville silt loam, 0 to 2 percent slopes, moderately eroded	Reesville	7	Moderate
ReB2	Reesville silt loam, 2 to 6 percent slopes, moderately eroded	Reesville	7	Moderate
RgD2	Rodman gravelly loam, 12 to 18 percent slopes, moderately eroded	Rodman	18	High
RgE1	Rodman gravelly loam, 18 to 25 percent slopes, slightly eroded	Rodman	18	High
RgE2	Rodman gravelly loam, 18 to 25 percent slopes, moderately eroded	Rodman	18	High
RgF2	Rodman gravelly loam, 25 to 50 percent slopes, eroded	Rodman	18	High
Ro	Ross silt loam	Ross	11	High
RsA	Russell silt loam, 0 to 2 percent slopes	Russell	11	High
RsB1	Russell silt loam, 2 to 6 percent slopes, slightly eroded	Russell	11	High
RsB2	Russell silt loam, 2 to 6 percent slopes, eroded	Russell	11	High
RsC1	Russell silt loam, 6 to 12 percent slopes, slightly eroded	Russell	11	High
RsC2	Russell silt loam, 6 to 12 percent slopes, moderately eroded	Russell	11	High
RsD1	Russell silt loam, 12 to 18 percent slopes, slightly eroded	Russell	11	High
RsD2	Russell silt loam, 12 to 18 percent slopes, moderately eroded	Russell	11	High
RsE1	Russell silt loam, 18 to 25 percent slopes, slightly eroded	Russell	11	High
RsE2	Russell silt loam, 18 to 25 percent slopes, moderately eroded	Russell	11	High

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Map symbol	Map unit name	Component	NLI	Rating
RtB3	Russell soils, 2 to 6 percent slopes, severely eroded	Russell	7	Moderate
RtC3	Russell soils, 6 to 12 percent slopes, severely eroded	Russell	7	Moderate
RtD3	Russell soils, 12 to 18 percent slopes, severely eroded	Russell	7	Moderate
RtE3	Russell soils, 18 to 25 percent slopes, severely eroded	Russell	7	Moderate
RuA	Russell and Miami silt loams, 0 to 2 percent slopes	Miami	7	Moderate
RuB1	Russell and Miami silt loams, 2 to 6 percent slopes, slightly eroded	Miami	7	Moderate
RuB2	Russell and Miami silt loams, 2 to 6 percent slopes, moderately eroded	Russell	7	Moderate
RuC1	Russell and Miami silt loams, 6 to 12 percent slopes, slightly eroded	Miami	7	Moderate
RuC2	Russell and Miami silt loams, 6 to 12 percent slopes, moderately eroded	Russell	7	Moderate
RvB3	Russell and Miami soils, 2 to 6 percent slopes, severely eroded	Russell	5	Moderate
RvC3	Russell and Miami soils, 6 to 12 percent slopes, severely eroded	Miami	5	Moderate
Rw	Riverwash	Riverwash	0	Not Rated
Sh	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Shoals	11	High
Sn	Sloan silt loam	Sloan	11	High
W	Water	Water	0	Not Rated
We	Westland silt loam	Westland	11	High
WnB1	Wynn silt loam, 2 to 6 percent slopes, slightly eroded	Wynn	7	Moderate
WnB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded	Wynn	7	Moderate
WnC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded	Wynn	7	Moderate
WnD2	Wynn silt loam, 12 to 25 percent slopes, moderately eroded	Wynn	7	Moderate
WyC3	Wynn soils, 6 to 12 percent slopes, severely eroded	Wynn	5	Moderate
XeA	Xenia silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	Xenia	7	Moderate
XeB1	Xenia silt loam, 2 to 6 percent slopes, slightly eroded	Xenia	7	Moderate
XeB2	Xenia silt loam, 2 to 6 percent slopes, eroded	Xenia	11	High
XnA	Xenia and Celina silt loams, 0 to 2 percent slopes	Celina	7	Moderate

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XnB1	Xenia and Celina silt loams, 2 to 6 percent slopes, slightly eroded	Xenia	7	Moderate
XnB2	Xenia and Celina silt loams, 2 to 6 percent slopes, moderately eroded	Xenia	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.