

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

Map symbol	Map unit name	Component	NLI	Rating
AddA	Avonburg silt loam, 0 to 2 percent slopes	Avonburg	8	Moderate
AddB2	Avonburg silt loam, 2 to 4 percent slopes, eroded	Avonburg	8	Moderate
BbhA	Bartle silt loam, 0 to 2 percent slopes	Bartle	8	Moderate
BcrAQ	Beanblossom silt loam, 1 to 3 percent slopes, rarely flooded	Beanblossom	13	High
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	Beanblossom	13	High
BdoA	Bedford silt loam, 0 to 2 percent slopes	Bedford	8	Moderate
BdoB	Bedford silt loam, 2 to 6 percent slopes	Bedford	8	Moderate
BfbC2	Blocher, soft bedrock substratum-Weddel silt loams, 6 to 12 percent slopes, eroded	Blocher	8	Moderate
BfcC3	Blocher, soft bedrock substratum-Weddel complex, 6 to 12 percent slopes, severely eroded	Blocher	7	Moderate
BnyD3	Bonnell clay loam, 12 to 22 percent slopes, severely eroded	Bonnell	8	Moderate
BobE5	Bonnell-Hickory clay loams, 15 to 30 percent slopes, gullied	Bonnell	8	Moderate
BodAW	Bonnie silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration	Bonnie	8	Moderate
BvoG	Brownstown-Gilwood silt loams, 25 to 75 percent slopes	Brownstown	8	Moderate
CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes	Caneyville	8	Moderate
CkkB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded	Cincinnati	8	Moderate
CldC2	Cincinnati-Blocher silt loams, 6 to 12 percent slopes, eroded	Cincinnati	8	Moderate
CldC3	Cincinnati-Blocher silt loams, 6 to 12 percent slopes, severely eroded	Cincinnati	7	Moderate
ClfA	Cobbsfork silt loam, 0 to 1 percent slopes	Cobbsfork	8	Moderate
ComC	Coolville silt loam, 6 to 12 percent slopes	Coolville	8	Moderate
ConC3	Coolville-Rarden complex, 6 to 12 percent slopes, severely eroded	Coolville	7	Moderate
ConD	Coolville-Rarden complex, 12 to 18 percent slopes	Coolville	15	High
CspA	Crider silt loam, 0 to 2 percent slopes	Crider	13	High
CspB2	Crider silt loam, 2 to 6 percent slopes, eroded	Crider	13	High
CtrB2	Crider silt loam, karst, undulating, eroded	Crider	13	High
CtwB	Crider-Bedford-Navilleton silt loams, 2 to 6 percent slopes	Crider	13	High

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
CwaAQ	Cuba silt loam, 0 to 2 percent slopes, rarely flooded	Cuba	13	High
CxgC3	Crider-Haggatt complex, 6 to 12 percent slopes, severely eroded	Crider	8	Moderate
CxhC2	Crider-Haggatt silt loams, 6 to 12 percent slopes, eroded	Crider	13	High
CxmC2	Crider-Haggatt silt loams, karst, rolling, eroded	Crider	13	High
CxnC3	Crider-Haggatt complex, karst, rolling, severely eroded	Crider	8	Moderate
DbrG	Deam silty clay loam, 20 to 55 percent slopes	Deam	8	Moderate
DdsAW	Dearborn silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Dearborn	13	High
DfnA	Dubois silt loam, 0 to 2 percent slopes	Dubois	8	Moderate
DtvC2	Deputy-Trappist silt loams, 6 to 12 percent slopes, eroded	Deputy	8	Moderate
Ebpd2	Eden silty clay loam, 12 to 25 percent slopes, eroded	Eden	7	Moderate
EesA	Elkinsville-Millstone silt loams, 0 to 2 percent slopes	Elkinsville	13	High
EesB	Elkinsville-Millstone silt loams, 2 to 6 percent slopes	Elkinsville	13	High
EesC2	Elkinsville-Millstone silt loams, 6 to 12 percent slopes, eroded	Elkinsville	13	High
EesD2	Elkinsville-Millstone silt loams, 12 to 18 percent slopes, eroded	Millstone	13	High
EesFQ	Elkinsville-Millstone silt loams, 18 to 40 percent slopes, rarely flooded	Elkinsville	13	High
EsaG	Eden silty clay loam, 25 to 60 percent slopes, very rocky	Eden	7	Moderate
GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes	Gilwood	8	Moderate
GgfD	Gilwood-Wrays silt loams, 6 to 18 percent slopes	Gilwood	8	Moderate
GgfE2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded	Gilwood	8	Moderate
GmaG	Gnawbone-Kurtz silt loams, 20 to 60 percent slopes	Gnawbone	8	Moderate
GyaD2	Grayford silt loam, 12 to 25 percent slopes, eroded	Grayford	13	High
GyaD3	Grayford silt loam, 12 to 25 percent slopes, severely eroded	Grayford	13	High
GyaD5	Grayford silt loam, 12 to 25 percent slopes, gullied	Grayford	13	High
GykD2	Grayford silt loam, karst, hilly, eroded	Grayford	13	High
GykD3	Grayford silt loam, karst, hilly, severely eroded	Grayford	13	High
HcaA	Hatfield silt loam, 0 to 2 percent slopes	Hatfield	8	Moderate

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
HccB2	Haubstadt silt loam, 2 to 6 percent slopes, eroded	Haubstadt	8	Moderate
HcdC2	Haubstadt-Shircliff silt loams, 6 to 15 percent slopes, eroded	Haubstadt	8	Moderate
HceC3	Haubstadt-Shircliff complex, 6 to 15 percent slopes, severely eroded	Haubstadt	7	Moderate
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Haymond	13	High
HcgAV	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Haymond	13	High
HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Haymond	13	High
HerE	Hickory-Bonnell complex, 12 to 25 percent slopes	Hickory	13	High
HtwD2	Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded	Haggatt	8	Moderate
HtzD3	Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded	Haggatt	8	Moderate
HufAK	Huntington silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	Huntington	13	High
HuhD2	Haggatt-Caneyville silt loams, karst, hilly, eroded	Haggatt	8	Moderate
HujD3	Haggatt-Caneyville complex, karst, hilly, severely eroded	Haggatt	8	Moderate
JaeB2	Jennings silt loam, 2 to 6 percent slopes, eroded	Jennings	8	Moderate
JafC2	Jennings-Blocher, hard bedrock substratum, silt loams, 6 to 12 percent slopes, eroded	Jennings	8	Moderate
JafC3	Jennings-Blocher, hard bedrock substratum, silt loams, 6 to 12 percent slopes, severely eroded	Jennings	7	Moderate
KxkC2	Knobcreek-Navilleton silt loams, 6 to 12 percent slopes, eroded	Knobcreek	8	Moderate
KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded	Knobcreek	8	Moderate
KxlE3	Knobcreek-Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded	Knobcreek	8	Moderate
KxmE2	Knobcreek-Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded	Knobcreek	8	Moderate
KxoC2	Knobcreek-Navilleton-Haggatt silt loams, karst, rolling, eroded	Knobcreek	8	Moderate
KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded	Knobcreek	8	Moderate

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
LpoAK	Lindside silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	Lindside	13	High
McgC2	Markland silt loam, 6 to 12 percent slopes, eroded	Markland	8	Moderate
McngQ	Markland silt loam, 18 to 50 percent slopes, rarely flooded	Markland	8	Moderate
McpC3	Markland silty clay loam, 6 to 12 percent slopes, severely eroded	Markland	8	Moderate
McuDQ	Markland silty clay loam, 12 to 25 percent slopes, severely eroded, rarely flooded	Markland	8	Moderate
MdqDQ	Markland silt loam, 12 to 25 percent slopes, eroded, rarely flooded	Markland	8	Moderate
MhuA	McGary silt loam, 0 to 2 percent slopes	McGary	8	Moderate
MhyA	Medora silt loam, 0 to 2 percent slopes	Medora	8	Moderate
MhyB2	Medora silt loam, 2 to 6 percent slopes, eroded	Medora	7	Moderate
MhyC2	Medora silt loam, 6 to 12 percent slopes, eroded	Medora	7	Moderate
MhyC3	Medora silt loam, 6 to 12 percent slopes, severely eroded	Medora	7	Moderate
MsvA	Montgomery silty clay loam, 0 to 1 percent slopes	Montgomery	8	Moderate
NaaA	Nabb silt loam, 0 to 2 percent slopes	Nabb	8	Moderate
NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded	Nabb	8	Moderate
NbhAK	Newark silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	Newark	13	High
OfbAW	Oldenburg loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Oldenburg	13	High
PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded	Pekin	8	Moderate
PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded	Pekin	8	Moderate
PcrC3	Pekin silt loam, 6 to 12 percent slopes, severely eroded	Pekin	8	Moderate
PhaA	Peoga silt loam, 0 to 1 percent slopes	Peoga	8	Moderate
Pml	Pits, quarry	Pits, quarry	0	Not Rated
Ppu	Pits, sand and gravel	Pits, sand and gravel	0	Not Rated
RblD3	Rarden silty clay loam, 12 to 18 percent slopes, severely eroded	Rarden	7	Moderate
RbmD5	Rarden silty clay, 6 to 18 percent slopes, gullied	Rarden	7	Moderate

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
RptG	Rohan-Jessietown complex, 25 to 60 percent slopes, rocky	Rohan	7	Moderate
RtcA	Ryker silt loam, 0 to 2 percent slopes	Ryker	13	High
RtcB2	Ryker silt loam, 2 to 6 percent slopes, eroded	Ryker	13	High
RzrB2	Ryker silt loam, karst, undulating, eroded	Ryker	13	High
RztC2	Ryker-Grayford silt loams, 6 to 12 percent slopes, eroded	Ryker	13	High
RztC3	Ryker-Grayford silt loams, 6 to 12 percent slopes, severely eroded	Ryker	13	High
RzvC2	Ryker-Grayford silt loams, karst, rolling, eroded	Ryker	13	High
RzvC3	Ryker-Grayford silt loams, karst, rolling, severely eroded	Ryker	13	High
SceB2	Scottsburg silt loam, 2 to 4 percent slopes, eroded	Scottsburg	8	Moderate
SfyB	Shircliff silt loam, 2 to 6 percent slopes	Shircliff	8	Moderate
SoaB	Spickert silt loam, 2 to 6 percent slopes	Spickert	8	Moderate
SodB	Spickert silt loam, terrace, 1 to 4 percent slopes	Spickert	8	Moderate
SolC2	Spickert-Wrays silt loams, 6 to 12 percent slopes, eroded	Spickert	8	Moderate
StaaQ	Steff silt loam, 0 to 2 percent slopes, rarely flooded	Steff	13	High
StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded	Stendal	13	High
StdAW	Stendal silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Stendal	13	High
ThaC2	Trappist silt loam, 6 to 12 percent slopes, eroded	Trappist	8	Moderate
ThbC3	Trappist silty clay loam, 6 to 12 percent slopes, severely eroded	Trappist	8	Moderate
ThbD5	Trappist silty clay loam, 6 to 18 percent slopes, gullied	Trappist	8	Moderate
ThcD3	Trappist-Rohan complex, 12 to 25 percent slopes, severely eroded	Trappist	8	Moderate
ThdD	Trappist-Rohan silt loams, 12 to 25 percent slopes	Trappist	8	Moderate
TsaC3	Trappist-Deputy complex, 6 to 12 percent slopes, severely eroded	Trappist	8	Moderate
Uaa	Udorthents, cut and filled	Udorthents, cut and filled	0	Not Rated
UaoAK	Udifluvents, cut and filled-Urban land complex, 0 to 2 percent slopes, occasionally flooded, brief duration	Udifluvents, cut and filled	0	Not Rated
Ueda	Urban land-Aquents, clayey substratum, complex, lake plain, 0 to 3 percent slopes	Aquents	0	Not Rated

Indiana Nitrate Leaching Index--Continued
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Map symbol	Map unit name	Component	NLI	Rating
UndAY	Urban land-Udifluvents complex, leveed, 0 to 2 percent slopes	Udifluvents	0	Not Rated
UngB	Urban land-Udarents, fragipan substratum, complex, till plain, 0 to 12 percent slopes	Udarents	0	Not Rated
UnkB	Urban land-Udarents, silty substratum, complex, terrace, 0 to 6 percent slopes	Udarents	0	Not Rated
UnpA	Urban land-Udarents, loamy substratum, complex, terrace, 0 to 3 percent slopes	Udarents	0	Not Rated
UnsB	Urban land-Udarents, clayey substratum, complex, hills, 2 to 10 percent slopes	Udarents	0	Not Rated
W	Water	Water	0	Not Rated
WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Wakeland	13	High
WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Wakeland	13	High
WedB2	Weddel silt loam, 2 to 6 percent slopes, eroded	Weddel	8	Moderate
WhcD	Wellrock-Gnawbone silt loams, 6 to 20 percent slopes	Wellrock	8	Moderate
WnmA	Whitcomb silt loam, 0 to 2 percent slopes	Whitcomb	8	Moderate
WokAV	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	Wilbur	13	High
WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Wilbur	13	High
WprAW	Wirt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	Wirt	13	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.