

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

| Map symbol | Map unit name  | Component          | NLI | Rating   |
|------------|--|--------------------|-----|----------|
| AfB2       | Alford silt loam, 2 to 6 percent slopes, eroded                      | Alford             | 8   | Moderate |
| Am         | Armiesburg variant silty clay loam, frequently flooded               | Armiesburg variant | 8   | Moderate |
| BbA        | Barce silt loam, 0 to 2 percent slopes                               | Barce              | 5   | Moderate |
| BdB2       | Barce-Montmorenci silt loams, 2 to 6 percent slopes, eroded          | Barce              | 5   | Moderate |
| Be         | Beaucoup silty clay loam, frequently flooded, undrained              | Beaucoup           | 4   | Moderate |
| Bk         | Beckville loam, occasionally flooded                                 | Beckville          | 5   | Moderate |
| BmB2       | Billett sandy loam, 1 to 4 percent slopes, eroded                    | Billett            | 8   | Moderate |
| BnC2       | Billett sandy loam, 6 to 12 percent slopes, eroded                   | Billett            | 13  | High     |
| BoA        | Blount silt loam, Lake Michigan Lobe, 0 to 2 percent slopes          | Blount             | 5   | Moderate |
| BpD2       | Boyer-Mudlavia complex, 8 to 20 percent slopes, eroded               | Boyer              | 13  | High     |
| BrA        | Brenton silt loam, 0 to 2 percent slopes                             | Brenton            | 8   | Moderate |
| BsA        | Brenton silt loam, till substratum, 0 to 2 percent slopes            | Brenton            | 8   | Moderate |
| BwA        | Brenton silt loam, moderately fine substratum, 0 to 2 percent slopes | Brenton            | 8   | Moderate |
| CaB2       | Cadiz silt loam, moderately wet, 1 to 6 percent slopes, eroded       | Cadiz              | 5   | Moderate |
| CbA        | Camden silt loam, 0 to 2 percent slopes                              | Camden             | 8   | Moderate |
| CbB2       | Camden silt loam, 2 to 6 percent slopes, eroded                      | Camden             | 8   | Moderate |
| CdB2       | Camden silt loam, till substratum, 2 to 6 percent slopes, eroded     | Camden             | 8   | Moderate |
| CfA        | Carmi loam, 0 to 2 percent slopes                                    | Carmi              | 8   | Moderate |
| Cg         | Comfrey loam, stratified substratum, rarely flooded                  | Comfrey            | 8   | Moderate |
| Cs         | Comfrey loam, stratified substratum, frequently flooded, undrained   | Comfrey            | 4   | Moderate |
| CtB2       | Corwin silt loam, 2 to 6 percent slopes, eroded                      | Corwin             | 5   | Moderate |
| Cz         | Cyclone silty clay loam, 0 to 2 percent slopes                       | Cyclone            | 8   | Moderate |
| Dw         | Drummer silty clay loams   | Drummer            | 8   | Moderate |
| Dx         | Drummer silty clay loam, gravelly substratum                         | Drummer            | 8   | Moderate |
| Dy         | Du Page loam, frequently flooded                                     | Du Page            | 8   | Moderate |
| EdB2       | Eldean gravelly loam, 2 to 6 percent slopes, eroded                  | Eldean             | 8   | Moderate |

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|------------|--|------------------|-----|----------|
| EgA        | Eldean silt loam, 0 to 2 percent slopes                            | Eldean           | 8   | Moderate |
| EvA        | Elston sandy loam, 0 to 3 percent slopes                           | Elston           | 13  | High     |
| GgA        | Gilboa silt loam, 0 to 2 percent slopes                            | Gilboa           | 8   | Moderate |
| GhB2       | Glenhall silt loam, 1 to 4 percent slopes, eroded                  | Glenhall         | 5   | Moderate |
| GkB2       | Glenhall silt loam, till substratum, 1 to 4 percent slopes, eroded | Glenhall         | 5   | Moderate |
| GoF        | Gosport channery silt loam, 25 to 40 percent slopes                | Gosport          | 4   | Moderate |
| HeG        | Hennepin loam, 30 to 70 percent slopes                             | Hennepin         | 5   | Moderate |
| HfB        | High Gap silt loam, 2 to 9 percent slopes, stony                   | High Gap         | 5   | Moderate |
| HhB2       | High Gap variant loam, 2 to 6 percent slopes, eroded               | High Gap variant | 5   | Moderate |
| HhC2       | High Gap variant loam, 6 to 12 percent slopes, eroded              | High Gap variant | 5   | Moderate |
| Hm         | Houghton muck, drained   | Houghton         | 13  | High     |
| Ho         | Houghton muck, undrained   | Houghton         | 4   | Moderate |
| IoB2       | Iona silt loam, 1 to 4 percent slopes, eroded                      | Iona             | 5   | Moderate |
| IpA        | Ipava silt loam, 0 to 2 percent slopes                             | Ipava            | 5   | Moderate |
| Ju         | Jules silt loam, frequently flooded                                | Jules            | 8   | Moderate |
| LcA        | Lafayette silt loam, 0 to 2 percent slopes                         | Lafayette        | 8   | Moderate |
| Ld         | La Hogue loam, 0 to 2 percent slopes                               | La Hogue         | 8   | Moderate |
| Lk         | La Hogue silt loam, till substratum, 0 to 2 percent slopes         | La Hogue         | 8   | Moderate |
| Lp         | Landes-Chatterton complex, frequently flooded                      | Landes           | 13  | High     |
| MaB3       | Markham silty clay loam, 2 to 6 percent slopes, severely eroded    | Markham          | 5   | Moderate |
| McB2       | Markham-Symerton silt loams, 2 to 6 percent slopes, eroded         | Markham          | 5   | Moderate |
| MdA        | Martinsville loam, 0 to 2 percent slopes                           | Martinsville     | 8   | Moderate |
| MdB2       | Martinsville loam, 2 to 6 percent slopes, eroded                   | Martinsville     | 8   | Moderate |
| MdC2       | Martinsville loam, 6 to 12 percent slopes, eroded                  | Martinsville     | 8   | Moderate |
| MoE2       | Miami loam, 15 to 25 percent slopes, eroded                        | Miami            | 5   | Moderate |
| MpC3       | Miami clay loam, 6 to 12 percent slopes, severely eroded           | Miami            | 5   | Moderate |
| MpD3       | Miami clay loam, 12 to 18 percent slopes severely eroded           | Miami            | 5   | Moderate |

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|------------|---|--------------------|-----|-----------|
| Mr         | Milford silty clay loam, pothole  | Milford            | 5   | Moderate  |
| MtA        | Millbrook silt loam, till substratum, 0 to 2 percent slopes                 | Millbrook          | 8   | Moderate  |
| MuC2       | Montmorenci-Barce complex, 6 to 12 percent slopes, eroded                   | Montmorenci        | 5   | Moderate  |
| MvE2       | Morley silt loam, moderately wet, 15 to 25 percent slopes, eroded           | Morley             | 5   | Moderate  |
| MwC3       | Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded            | Ozaukee            | 5   | Moderate  |
| MxC2       | Morley-Cadiz silt loams, moderately wet, 6 to 12 percent slopes, eroded     | Morley             | 5   | Moderate  |
| MyA        | Mudlavia gravelly silt loam, 0 to 2 percent slopes, stony                   | Mudlavia           | 8   | Moderate  |
| MzB2       | Mudlavia cobbly silt loam, 2 to 4 percent slopes, eroded, stony             | Mudlavia           | 8   | Moderate  |
| OcA        | Ockley silt loam, 0 to 2 percent slopes                                     | Ockley             | 8   | Moderate  |
| OcB2       | Ockley silt loam, 2 to 6 percent slopes, eroded                             | Ockley             | 8   | Moderate  |
| OpB        | Ormas loamy sand, 1 to 4 percent slopes                                     | Ormas              | 13  | High      |
| OsA        | Oshtemo coarse sandy loam, 0 to 2 percent slopes                            | Oshtemo            | 13  | High      |
| OsB        | Oshtemo coarse sandy loam, 2 to 6 percent slopes                            | Oshtemo            | 13  | High      |
| Pm         | Peotone silty clay loam, pothole  | Peotone            | 5   | Moderate  |
| Po         | Piankeshaw variant gravelly silt loam, rarely flooded                       | Piankeshaw variant | 8   | Moderate  |
| Pp         | Pits, gravel  | Pits               | 0   | Not Rated |
| PrA        | Proctor silt loam, 0 to 2 percent slopes                                    | Proctor            | 5   | Moderate  |
| PrB2       | Proctor silt loam, 2 to 6 percent slopes, eroded                            | Proctor            | 5   | Moderate  |
| PuA        | Proctor silt loam, till substratum, 0 to 2 percent slopes                   | Proctor            | 5   | Moderate  |
| PuB2       | Proctor silt loam, till substratum, 2 to 6 percent slopes, eroded           | Proctor            | 5   | Moderate  |
| Rb         | Ragsdale silt loam  | Ragsdale           | 8   | Moderate  |
| RdA        | Rainsville silt loam, 0 to 2 percent slopes                                 | Rainsville         | 5   | Moderate  |
| RfB2       | Rainsville-Williamstown-Rockfield silt loams, 2 to 6 percent slopes, eroded | Rainsville         | 5   | Moderate  |
| RLA        | Reesville silt loam, 0 to 2 percent slopes                                  | Reesville          | 8   | Moderate  |
| RoA        | Rockfield silt loam, 0 to 2 percent slopes                                  | Rockfield          | 5   | Moderate  |

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|------------|---|-------------------|-----|-----------|
| RoB2       | Rockfield silt loam, 2 to 6 percent slopes, eroded                      | Rockfield         | 5   | Moderate  |
| RpG        | Rodman gravelly loam, 25 to 60 percent slopes                           | Rodman            | 13  | High      |
| RtA        | Rush silt loam, 0 to 2 percent slopes                                   | Rush              | 8   | Moderate  |
| RtB2       | Rush silt loam, 2 to 6 percent slopes, eroded                           | Rush              | 8   | Moderate  |
| Sb         | Sable silty clay loam   | Sable             | 8   | Moderate  |
| SeA        | Shadeland variant silt loam, 0 to 2 percent slopes                      | Shadeland variant | 5   | Moderate  |
| SlA        | Starks silt loam, till substratum, 0 to 2 percent slopes                | Starks            | 8   | Moderate  |
| Sr         | Stonelick-Moundhaven complex, frequently flooded                        | Stonelick         | 8   | Moderate  |
| StB3       | Strawn clay loam, 2 to 6 percent slopes, severely eroded                | Strawn            | 4   | Moderate  |
| StC3       | Strawn clay loam, 6 to 12 percent slopes, severely eroded               | Strawn            | 4   | Moderate  |
| SyB        | Symerton-Varna silt loams, 1 to 3 percent slopes                        | Symerton          | 5   | Moderate  |
| TuC2       | Tuscola loam, till substratum, 6 to 12 percent slopes, eroded           | Tuscola           | 5   | Moderate  |
| TwB2       | Tuscola silt loam, till substratum, 2 to 6 percent slopes, eroded       | Tuscola           | 5   | Moderate  |
| Ud         | Udorthents, loamy   | Udorthents        | 0   | Not Rated |
| Ur         | Udorthents, loamy, reclaimed  | Udorthents        | 0   | Not Rated |
| W          | Water   | Water             | 0   | Not Rated |
| Wc         | Wakeland Variant silt loam, occasionally flooded                        | Wakeland variant  | 8   | Moderate  |
| We         | Wallkill variant silty clay loam  | Wallkill variant  | 5   | Moderate  |
| Wg         | Warners variant silty clay, drained                                     | Warners variant   | 5   | Moderate  |
| Wh         | Washtenaw silt loam   | Washtenaw         | 5   | Moderate  |
| WlA        | Waupecan silt loam, moderately wet, 0 to 2 percent slopes               | Waupecan          | 5   | Moderate  |
| WpG        | Weikert Variant fine sandy loam, 35 to 80 percent slopes, very bouldery | Weikert variant   | 8   | Moderate  |
| WrA        | Williamsport-Elliott silt loams, 0 to 2 percent slopes                  | Williamsport      | 8   | Moderate  |

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|------------|--|--------------|-----|----------|
| WtC2       | Williamstown-Rainsville silt loams, 6 to 12 percent slopes, eroded | Williamstown | 5   | 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.