Appendix C, Table 5 to Rule 901:10-2-14: Ohio Nitrogen Leaching Assessment Procedure

The Nitrogen Leaching Index (NLI) classifies soils ~~are classified~~ as having a high, medium, or low nitrogen leaching potential with relative index ratings from 0-10+ ~~for~~ based on their potential to leach nitrates below the root zone. The leaching potential is rated as high (NLI>10), medium (3<NLI<10), or low (NLI<3) by combining the soil's hydrologic soil grouping (A, B, C, or D), the local county's annual rainfall, and the local county's seasonal rainfall (October 1 to March 1).

To determine the soil's nitrogen leaching potential, use the following procedure:

1) ~~First,~~ Determine the soil's hydrologic soil grouping for the dominant soils located in the land application area: A, B, C, or D. For this information, refer to USDA-NRCS Field Office Technical Guide (FOTG) at https://efotg.sc.egov.usda.gov/#/state/OH/documents (*Section II-Natural and Cultural Resources Information>Soils Information>County>Soil Properties>Engineering Properties*) or USDA's Web Soil Survey at https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

   Note: Dominant soils are the soil type with the highest risk of loss that occupies at least 33% of the land application area~~. Engineering Field Manual, Chapter 2- Ohio Supplement (1989), Table 2.1 pages 2-42 through 2-83.~~

   ~~Second, determine the local county's annual rainfall and the local county's seasonal rainfall (October 1 to March 1). For this information, refer to USDA-NRCS Engineering Field Manual, Chapter 2- Ohio Supplement (1989), Exhibit OH2-3, Supplement pages 1 through 4 and USDA-NRCS Engineering Field Manual, Chapter 2- Ohio Supplement (1989), Exhibit OH2-1, and Sheets 1 through 3~~

2) ~~ThirdSecond, refer~~ Refer to the table below - Ohio (By county) Nitrogen Leaching Index Ratings for Soils by Hydrologic Groups (A, B, C, D) for the respective county to determine the soil's relative leaching index rating.

   a) Soils with a rating of **0-2** have a low potential to leach nitrates below the root zone.
   b) Soils with a rating of **3-10** have a medium potential to leach nitrates below the root zone.
   c) Soils with a rating of **10+** have a high potential to leach nitrates below the root zone.
   d) All soils with systematic subsurface drains (tile) are rated to have a high potential to leach nitrates below the root zone. A land application area is considered systematically subsurfaced drained if 33% or more of the area is subsurface drained.

Ohio (By County) Nitrogen Leaching Index Ratings for Soils by Hydrologic Groups (A, B, C, D)

County	A	B	C	D	County	A	B	C	D
1. Adams	15	10	6	4	45. Licking	15	8	6	4
2. Allen	10	6	4	2	46. Logan	15	8	4	4
3. Ashland	15	8	4	4	47. Lorain	15	8	4	2
4. Ashtabula	15	10	4	4	48. Lucas	10	6	4	2
5. Athens	15	10	6	4	49. Madison	15	8	6	4
6. Auglaize	10	8	4	2	50. Mahoning	15	8	4	4
7. Belmont	15	10	6	4	51. Marion	15	8	4	4
8. Brown	15	10	6	4	52. Medina	15	8	4	4
9. Butler	15	10	6	4	53. Meigs	15	10	6	4
10. Carroll	15	8	4	4	54. Mercer	10	8	4	2
11. Champaign	15	8	4	4	55. Miami	15	8	4	4
12. Clark	15	8	6	4	56. Monroe	15	10	6	4
13. Clermont	15	10	6	4	57. Montgomery	15	10	6	4
14. Clinton	15	10	6	4	58. Morgan	15	8	6	4
15. Columbiana	15	8	4	4	59. Morrow	15	10	6	4
16. Coshocton	15	8	4	4	60. Muskingum	15	8	6	4
17. Crawford	15	8	4	2	61. Noble	15	8	6	4
18. Cuyahoga	15	8	4	4	62. Ottawa	10	6	4	2
19. Darke	15	8	4	4	63. Paulding	10	6	4	2
20. Defiance	10	6	4	2	64. Perry	15	8	6	4
21. Delaware	15	8	4	4	65. Pickaway	15	8	6	4
22. Erie	10	8	4	4	66. Pike	15	10	6	4
23. Fairfield	15	8	6	4	67. Portage	15	8	4	4
24. Fayette	15	10	6	4	68. Preble	15	10	6	4
25. Franklin	15	8	6	4	69. Putnam	10	6	4	2
26. Fulton	10	6	4	2	70. Richland	15	8	4	4
27. Gallia	15	10	6	4	71. Ross	15	10	6	4
28. Geauga	15	10	4	4	72. Sandusky	10	6	4	2
29. Greene	15	10	4	4	73. Scioto	15	10	6	4
30. Guernsey	15	8	6	4	74. Seneca	10	6	4	2
31. Hamilton	15	10	6	4	75. Shelby	15	8	4	4
32. Hancock	10	6	4	2	76. Stark	15	8	4	4
33. Hardin	10	8	4	2	77. Summit	15	8	4	4
34. Harrison	15	8	6	4	78. Trumbull	15	8	4	4
35. Henry	10	6	4	2	79. Tuscarawas	15	8	4	4
36. Highland	15	10	6	4	80. Union	15	8	4	4
37. Hocking	15	10	6	4	81. Van Wert	10	6	4	2
38. Holmes	15	8	4	4	82. Vinton	15	10	6	4
39. Huron	10	8	4	2	83. Warren	15	10	6	4
40. Jackson	15	10	6	4	84. Washington	15	10	6	4
41. Jefferson	15	8	6	4	85. Wayne	15	8	4	4
42. Knox	15	8	4	4	86. Williams	10	6	4	2
43. Lake	15	10	4	4	87. Wood	10	6	4	2
44. Lawrence	15	10	6	4	88. Wyandot	10	8	4	2