

**Appendix F to rule 901:10-2-14 Most Limiting Manure Application Rates.****Table 2. Most Limiting Manure Application Rates for Non-Tiled Fields.**

| Select the Most Limiting Application Rate Based on the Following Criteria   |   |  |  |   |              |
|---|---|--|--|---|--------------|
| Field Situation & Time of Year  | Limiting Application Rate Criteria            |  |  |   |              |
|   | Nitrogen                                      | P <sub>2</sub> O <sub>5</sub>          | K <sub>2</sub> O                       | Tons/Ac<br>Gallons/Ac   | AWC<br>Table |
| <b>Non Subsurface Drained (Tiled) Fields</b>  |   |  |  |   |              |
| <b>(July- Sept.)</b><br>Not Subsurface Drained  | (1) Crop Needs factoring N losses             | Crop Needs or Crop Removal <250 Lbs/ac | Crop Needs or Crop Removal <500 Lbs/ac |   | Upper 8"     |
| <b>(Oct. - March)</b><br>Not Subsurface Drained   | (1) Crop Needs factoring N losses             | Crop Needs or Crop Removal <250 Lbs/ac | Crop Needs or Crop Removal <500 Lbs/ac |   | Upper 8"     |
| <b>(April- June)</b><br>Not Subsurfaced Drained Pasture >20%<br>or Cropland > 15%   | (1) Crop Needs factoring N losses             | Crop Needs or Crop Removal <250 Lbs/ac | Crop Needs or Crop Removal <500 Lbs/ac | (5) 10 wet tons 5,000 gal/ac-unless contoured strips or incorporate immediately | Upper 8"     |
| <b>(July -Sept.)</b><br>Not Subsurfaced Drained Pasture >20%<br>or Cropland > 15%   | (1) Crop Needs factoring N losses             | Crop Needs or Crop Removal <250 Lbs/ac | Crop Needs or Crop Removal <500 Lbs/ac |   | Upper 8"     |
| <b>Frozen or Snow Cover</b><br>Not Subsurface Drained   | (1) Next year's crop needs factoring N losses | Crop Needs or Crop Removal <250 Lbs/ac | Crop Needs or Crop Removal <500 Lbs/ac | (5) 10 wet tons <50% solids; 5 wet tons >50% solids, liquid manure 5,000 gal/ac |              |
| <b>(Oct. - March)</b><br>Not Subsurfaced Drained Pasture >20%<br>or Cropland > 15%  | (1) Crop Needs factoring N losses             | Crop Needs or Crop Removal <250 Lbs/ac | Crop Needs or Crop Removal <500 Lbs/ac | (5) 10 wet tons 5,000 gal/ac-unless contoured strips or incorporate immediately | Upper 8"     |
| (1) Crop Needs factoring N losses - Maximum total nitrogen applied to meet the succeeding crop's recommended NITROGEN requirements for non-legume crops or 150 lbs/ac NITROGEN for the succeeding legume crop.<br><b>Considers loss of N through application method and time of year.</b>   |   |  |  |   |              |
| (2) 50 lbs/ac as applied N - Nitrogen application limited to 50 lbs/ac based on the addition of the NH <sub>4</sub> or NH <sub>3</sub> (ammonium/ammonia) content of the manure +1/3 of the organic nitrogen content the manure as applied.<br><b>Considers no losses due to application method or time of year.</b>  |   |  |  |   |              |
| (3) Next year's crop needs as applied N - Maximum total nitrogen applied to meet the succeeding crop's recommended NITROGEN requirements for non-legume crops or 150 lbs/ac NITROGEN for the succeeding legume crop.<br><b>Considers no losses due to application method or time of year.</b>   |   |  |  |   |              |
| (4) Under special conditions and criteria the rate of P <sub>2</sub> O <sub>5</sub> application can be increased to 500 lbs/acre (See Appendix A or rule 901:10-2-14). <b>Frozen or Snow covered ground and fields over 100 ppm Bray P1 soil test are exempt and are always limited to applications less than or equal to 250 lbs/ac P<sub>2</sub>O<sub>5</sub></b> |   |  |  |   |              |
| (5) Wet tons refers to the weight of the manure as it is applied -- include solids and moisture weight.   |   |  |  |   |              |