

APPENDIX F, 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	P₂O₅ 4/	K₂O	Tons/Ac Gallons/Ac	AWC Table
Non Subsurface Drained (Tiled) Fields					
(JUL - SEP) 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"
(OCT - MAR) 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"
(APR - JUN) Not Subsurfaced Drained Pasture > 20% 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"
(JUL – SEP) Not Subsurfaced Drained Pasture > 20% 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"
Frozen or Snow-Cover Subsurface Drained or High N Leaching Potential	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	
(OCT – MAR) Not Subsurfaced Drained Pasture > 20% 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. Considers loss of N through application method and time of year.					
2/ 50 lbs/ac as applied N – Nitrogen application limited to 50 lbs/ac based on the addition of the NH ₄ or NH ₃ (ammonium/ammonia) content of the manure + 1/3 of the organic nitrogen content the manure as applied. Considers no losses due to application method or time of year.					
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. Considers no losses due to application method or time of year.					
4/ Under special conditions and criteria the rate of P ₂ O ₅ application can be increased to 500 lbs/ac (See Appendix A or Rule 901:10-2-14). 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 lb/ac P₂O₅.					
5/ Wet tons refers to the weight of the manure as it is applied – include solids and moisture weight.					