

Field # \_\_\_\_\_

**Crop Nitrogen Requirement Worksheet**

	<b>Example</b>	<b>Your Farm</b>
1. Crop to be grown	Fescue hay	_____
2. Crop yield expectations from field records or NRCS standards	3.5 tons	_____
3. Nitrogen guidelines per unit of yield (Table 6)	38 lb/ton	_____
4. Crop nitrogen requirement ( $2 \times 3$ )	135 lb/acre	_____
5. Starter fertilizer nitrogen or previous legume nitrogen	0 lb/acre	_____
6. Commercial fertilizer nitrogen added	0 lb/acre	_____
7. Crop nitrogen need from poultry manure ( $4 - [5 + 6]$ )	135 lb/acre	_____
8. Poultry manure plant available nitrogen		
a. Nitrogen composition of poultry manure from farm average or state average (Table 1)	64 lb/ton	_____
b. Nitrogen availability coefficient (Table 4)	0.7	_____
c. Plant-available nitrogen ( $a \times b$ )	44.8 lb/ton	_____
9. Poultry manure application rate ( $7 \div 8\ c$ )	3.0 ton/acre	_____
10. Acres of crop to be grown	50 acres	_____
11. Total poultry manure required ( $9 \times 10$ )	150 tons	_____