

Field # _____

Crop Nitrogen Requirement Worksheet

	Example	Your Farm
1. Crop to be grown	<u>Fescue Hay</u>	_____
2. Crop yield expectations from field records or NRCS standards	<u>2.5 tons</u>	_____
3. Nitrogen guidelines per unit of yield (Table-----)	<u>50 lb/ton</u>	_____
4. Crop nitrogen requirement (2 x 3)	<u>125 lb/acre</u>	_____
5. Starter fertilizer nitrogen or previous legume nitrogen	<u>0 lb/acre</u>	_____
6. Commercial fertilizer nitrogen added	<u>0 lb/acre</u>	_____
7. Crop nitrogen need from poultry manure (4 minus 5 and 6)	<u>125 lb/acre</u>	_____
8. Poultry manure plant available nitrogen		
a. Nitrogen composition of poultry manure from farm average or state average (Table 1)	<u>64 lb/ton</u>	_____
b. Nitrogen availability coefficient (Table 4)	<u>0.7</u>	_____
c. Plant-available nitrogen (a x b)	<u>44.8 lb/ton</u>	_____
9. Poultry manure application rate (7 ÷ 8 c)	<u>2.8 ton/acre</u>	_____
10. Acres of crop to be grown	<u>100 acres</u>	_____
11. Total poultry manure required (9 x 10)	<u>280 tons</u>	_____