



# Worksheet 5-1

## Manure Nitrogen Credits for Prior Years (Credits must be calculated for the 2 previous years)

Farm/Tract \_\_\_\_\_

Field \_\_\_\_\_

Last Year   2 Years Ago

### 1. Organic Nitrogen

\_\_\_\_%N - \_\_\_\_%NH<sub>4</sub>-N = %Organic N (Last year)

\_\_\_\_%N - \_\_\_\_%NH<sub>4</sub>-N = %Organic N (2 years ago)

- Values are from the manure analysis.
- If no analyses were performed, use average analyses.
- See "Manure Summary Report" in Chapter 4 for average manure analyses.

### 2. Mineralization Rate

- Refer to the *Infocard* for the mineralization rate for the appropriate animal species year (last year or 2 years ago).

### 3. Conversion Factor

- Conversion factor is 20 if the units are lbs/ton.
- Conversion factor is 0.0837 if the units are lbs/1000 gallons.

### 4. Application Rate

- This is the amount of manure applied in each year.
- Enter the rate as tons/acre or gallons/acre.

### 5. Nitrogen Credit

- Expressed as lbs/acre.
- Multiply #1 x #2 x #3 x #4.

$\% \text{ Organic N } \times \text{ Mineralization Rate } \times \text{ Conversion Factor } \times \text{ Application Rate } = \text{ N Credit}$
---