



Worksheet 5-4

Calculating the Manure/Compost Application Rate Required to Meet the Crop Nitrogen Recommendation

Field(s) _____

Crop _____

1. Crop nitrogen recommendation

- Expressed as lbs/acre.
- Enter the net nitrogen recommendation from **Worksheet 5-2**.

2. PAN in manure

- Expressed as lbs/ton or lbs/gallon.
- Enter **#8** from **Worksheet 4-1**.

3. Manure application rate

- Expressed as tons/acre or gallons/acre.
- Divide the crop nitrogen recommendation (**#1**) by PAN in manure (**#2**).

N P₂O₅ K₂O

4. Available nutrients in manure

- Expressed as lbs/ton or lbs/gallon.
- For N, enter PAN from **#2**.
- If manure is solid or semisolid, multiply %P₂O₅ and %K₂O from manure analysis by 20 and enter result.
- If manure is liquid, multiply %P₂O₅ and %K₂O from manure analysis by 0.0837 and enter result.

5. Nutrients supplied by manure

- Expressed as lbs./acre.
- Multiply available nutrients in manure (**#4**) by the manure application rate (**#3**).