Worksheet 5-4

Calculating the Manure 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	P_2O_5	K_2O
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 $\%P_20_5$ and $\%K_20$ from manure analysis by 20 and enter result. - If manure is liquid, multiply $\%P_20_5$ and $\%K_20$ 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**).			

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