

<u>Calculating Manure Nitrogen Credits for Prior Years</u> (Credits must be calculated for the 2 previous years)

1. Percent (%) Organic Nitrogen	Last Year 2 Years Ago
%N%NH ₄ -N = %Organic N (Last year)	
%N%NH ₄ -N = %Organic N (2 years ago)	
Values are from a manure analysis.If no analyses were performed, use average analyses. (See "Manure Summ	ary Sheet.")
2. Mineralization Rate	
- Refer to the <i>Infocard</i> 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 (Ibs./acre)	
- Multiply #1 X #2 X #3 X #4.	
% Organic N X Mineralization Rate X Conversion Factor X Appli	cation Rate = N Credit
Calculating Net Nitrogen Recommend	ation
6. Gross Crop N Recommendation (lbs./acre)	
- See SFM-1 for crop nutrient recommendations.	
7. N Credits (Ibs./acre)	
A. Manure credit from last year (See #5.)	
B. Manure credit from 2 years ago (See #5.)	
C. Legume credit (See <i>Infocard</i> .)	
8. Total N Credit (lbs./acre)	
- Add 7A + 7B + 7C .	
9. Net Crop N Recommendation (lbs./acre)	
- Subtract total N credit (#8) from gross crop N recommendation (#6).	
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Gross Crop N Recommendation - Total N Credit = Net Crop N	Recommendation

Calculating an N-Based Manure Application Rate

10. Manure Application Rate			
Expressed as tons/acre or gallons/acre.Divide the crop net nitrogen recommendation (#9) by PAN in man	ure.		
11. Available Nutrients in Manure	N	P ₂ O ₅	K₂O
 Expressed as lbs./ton or lbs./gallon. For N, enter PAN. If manure is solid or semisolid, multiply %P₂0₅ and %K₂0 from manure analysis by 20 and enter result. If manure is liquid, multiply %P₂0₅ and %K₂0 from manure analysis by 0.0837 and enter result. 			
 12. Nutrients Supplied by Manure (Ibs./acre) Multiply available nutrients in manure (#11) by the manure application rate (#10). 			
Calculating Additional Fertilizer Requirem			K ₂ O
Calculating Additional Fertilizer Requirem 13. Nutrient Recommendations for Crops (lbs./acre)	nents When U	P ₂ O ₅	K₂O
			K₂O
13. Nutrient Recommendations for Crops (Ibs./acre)Enter the net N recommendation from #9.			K ₂ O
 13. Nutrient Recommendations for Crops (Ibs./acre) - Enter the net N recommendation from #9. - Consult SFM-1 for P₂O₅ and K₂O recommendations. 			K ₂ O
 13. Nutrient Recommendations for Crops (Ibs./acre) - Enter the net N recommendation from #9. - Consult SFM-1 for P₂O₅ and K₂O recommendations. 14. Nutrient Supplied by Manure (Ibs./acre) 			K ₂ O

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