

Nutrient Balance Sheet

Prepared For

Operator's Name

Operator's Address

Operator's Telephone Number

Prepared By

Nutrient Management Specialist's or Broker's Name

Nutrient Management Specialist's or Broker's Program Certification Number

Nutrient Management Specialist's or Broker's Address

Nutrient Management Specialist's or Broker's Phone Number(s)

Nutrient Management Specialist or Broker Signature

Date of Development _____

County of Origin _____

Nutrient Balance Worksheet Appendices

The following appendices need to accompany the Nutrient Balance Worksheets if applicable:

- Maps of fields where manure is to be applied including required manure application setbacks
- Completed P-Index spreadsheet (or other similar information summary) listing the source and transport factors and final Index result for each crop management unit (if applicable)

Nutrient Balance Worksheet

CMU/Field Identification <small>(Area must be clearly identified on a map)</small>		Acres	Crop Group	Yield
Manure Plan Basis <small>(check planning option)</small>	OPTION 1 P Removal	OPTION 2 N Requirement		OPTION 3 P Index
	<ul style="list-style-type: none"> P removal rates 150' application setback from streams, lakes or ponds 	<ul style="list-style-type: none"> N requirement rates 150' application setback from streams, lakes or ponds Soil test < 200 ppm 		<ul style="list-style-type: none"> P Index evaluation (must be attached)
	Will P banking be used?	Soil Test P (ppm)		
	No			
	Yes, for <input style="width: 30px;" type="text"/> years.			
<small>(Use the P₂O₅ column to determine acceptable rate)</small>		<small>(Use the N column to determine acceptable rate)</small>		<small>(Use appropriate column based on the P Index to determine acceptable rate)</small>
Manure Type	Manure Analysis (lb/ton or 1000 gal) Total N P ₂ O ₅ K ₂ O		Application Timing	Application Method
Notes				

	N ¹	P ₂ O ₅ ¹	K ₂ O ¹	Recommendation Basis
A) Recommendation or Removal (lb/A) <small>N – Soil Test or Tables 1 & 2 (AG Table 1.2-6;1.2-8) P₂O₅ & K₂O – Soil Test or Table 3 (AG Table 1.2-9)</small>				Soil Tests
B) Fertilizer Applied (lb/A) <small>(Regardless of Manure e.g. Starter)</small>				Crop Removal
C) Other Organic Sources Applied (lb/A) <small>(e.g. Biosolids, Other Manure)</small>				Application Record & Notes <small>Record when the planned manure and fertilizer rates were applied or note changes.</small>
D) Residual Manure N (lb/A) <small>Table 4 (AG Table 1.2-14B)</small>				
E) Previous Legume N (lb/A) <small>Table 5 (AG Table 1.2-7) or Soil Test Report</small>				
F) Net Nutrient Requirement (lb/A) <small>(A – B – C – D – E)</small>				
G) Manure Nutrient Content (lb/ton or lb/1000gal)				
H) Nitrogen Availability Factor <small>Table 6 (AG Table 1.2-14A)</small>				
I) Available Nitrogen (lb/ton or lb/1000gal) (G x H)				
J) Balanced Manure Rate (tons/A or gallons/A) <small>For N: (F ÷ I) For P: (F ÷ G)</small>				
K) Planned Manure Rate (tons/A or gallons/A) <small>Must be less than or equal to the appropriate Balanced Rate based on the plan basis being used</small>				
L) Nutrients Applied at Planned Rate (lb/A) For N: (K x I) For P & K: (K x G)				
M) Nutrient Balance at Planned Rate (lb/A) (F - L) (Indicate short or excess)				

¹ Completion of N column required for all options; P₂O₅ column is optional for N based rates; K₂O is optional for all rates.

Appendix 1

Operation Maps

Maps (or aerial photographs) required to accompany Nutrient Balance Sheets must identify: crop management unit (field) identification, acreage and boundaries, manure application setback areas and buffers and associated landscape features (streams and other water bodies, sinkholes, and active water wells), and location of in-field manure stacking areas (including each site in stacking rotation).

Appendix 2
Phosphorus Index

Include the current Pennsylvania Phosphorus Index Spreadsheet or paper worksheet for each field that required Part B of the P Index when using Manure Plan Basis Option 3.