

Appendix B

Recordkeeping Forms

Keeping accurate records is an important part of your overall nutrient management plan. The following pages include examples of forms that can be used as part of a recordkeeping system. By tracking crop yields and total nutrients applied to your fields, you will be able to determine if commercial fertilizer applications are necessary or if all your crop nutrient needs can be met through manure applications. A history of such records has also proven valuable to farmers in defending against law suits.

Field Application Log

Field location _____

Crop grown _____

Field size ____ acres

Soil type _____

Date	Manure Applied (1000 gal/ac)	Manure Nutrients*			Application rate per hr	lbs N per ac	lbs P per ac	lbs K per ac	Comm Fertilizer Applied		
		lbs/1000 gal							lbs per ac		
		N	P	K					N	P	K

* Information determined through manure testing.

Manure Testing Results

Date	% Solids	pounds per 1000 gallons				Calculated** Value for Organic N
		Total N	NH ₄ - N	P	K	

** Calculation: Total N - NH₄-N = Organic N

Nutrient Planning By Crop

Crop Grown _____

Total Acreage _____

In order to calculate crop nutrient needs, you will need to complete the steps outlined in Appendix F.

Year	Expected Yield (per acre)	Crop Nutrient Needs*			Nutrient Credits**			Adjusted Nutrient Needs***		
		(pounds per acre)	(pounds per acre)	(pounds per acre)	(pounds per acre)	(pounds per acre)	(pounds per acre)	(pounds per acre)	(pounds per acre)	(pounds per acre)
		N	P	K	N	P	K	N	P	K

*The calculation for determining crop nutrient needs is as follows:

$$\text{crop yield (in pounds)} \times \text{percent nutrient} = \text{pounds nutrient needed per acre}$$

**Use soil test results for nutrient crediting.

***The calculation for adjusting nutrient needs is as follows:

$$\text{crop nutrient needs} - \text{nutrient credits} = \text{additional nutrients needed}$$

Soil Nutrient Analysis

Field _____ Soil Type _____

Year	Testing Method	Pre-sidedress Nitrate	Fall Nitrate	Ca ppm	Mg ppm	P ppm	K ppm	pH

Note: Nitrate testing should be done annually to guide nutrient applications and to evaluate how well manure and fertilizer applications are meeting crop nitrogen needs.