

Iowa Addendum: Water Quality Enhancement Activity – WQL26 – Reduce the concentration of nutrients imported on farm

Iowa Criteria

1. Use Iowa State University's publication [PM 1558: How to sample manure for nutrient analysis](#) and [PM 1003: Using manure nutrients for crop production](#) for directions on how to sample manure and use the lab analysis.
2. Use Iowa State University nitrogen application recommendations. Use either:
 - a. the [Corn Nitrogen Rate Calculator](#) (on-line) which is described in ISU publication [PM 2015: Concepts and rationale for regional nitrogen rate guidelines for corn](#), or
 - b. [PM 1714: Nitrogen Fertilizer Recommendations for Corn in Iowa](#)
3. Soil sampling will be done according to Iowa State University's guide [PM 287 Take a Good Soil Sample](#) and interpreted by guide [PM 1310 Interpretations of Soil Test Results](#).

Documentation

1. Complete the fertilizer application information in attached table or provide equivalent documentation from existing records.
2. Attach
 - a. Field map
 - b. Soil test
 - c. Manure analysis
3. Complete a whole farm nutrient balance sheet for N, P, and K which demonstrates that the criteria has been met and includes:
 - a. livestock nutrient requirements
 - b. feed management system and records
 - c. feed formulation including, the quantities and sources of N, P, and K to be fed.
 - d. Import of nutrients including purchased feed, supplements, and fertilizer (determine percent nutrients in manure that is from on-farm sources)

Certification of Enhancement Completion:

Signature of Producer

Date

Fields

Acres or Number



Field ID	Acres	Crop and place in rotation	Yield	Planned Application N-P-K (lbs/ac)*	Fertilizer Product (include grade or analysis and form)	Rate (Specify Units)	Actual application N-P-K (lbs/ac)*	Date Applied	Total N-P-K from on-farm sources (lbs or tons)
									Total N-P-K imported (lbs or tons)
			Goal:						
			Actual:						
			Total						
			Goal:						
			Actual:						
			Total						
			Goal:						
			Actual:						
			Total						

* Example 120-40-0 would be 120 lbs N, 40 lbs P₂O₅ , and 0 lbs K₂O