

SUMMARY OF CHANGES

FROM ACR FERTILIZER METHODOLOGY v2.0 TO v2.1

ACR today posts for public comment v2.1 of its *Methodology for N₂O Emission Reductions through Changes in Fertilizer Management*. Upon final approval and publication this version will replace v2.0.

The methodology's purpose, scope, applicability conditions, eligible practices, and quantification approach remain unchanged overall. ACR has made updates and clarifications to improve the flexibility of the methodology by providing eligibility criteria for other greenhouse gas quantification models in addition to DNDC.

The following is a summary of changes from v2.0 to v2.1:

Topic	Revisions	Section
Purpose	Clarification that the methodology "requires the use of DNDC, or another approved, process based model."	3.1
Applicability	Clarification the validation requirement is relevant for any model that is used.	3.5
Identification of the Baseline Scenario and Additionality	Update to reference of ACR Start Date requirements, based on current version of the ACR Standard (v4.0)	4.2
Approved models for estimating emissions from fertilizer application	<p>Reiteration that the DNDC model is automatically approved for use under this methodology to quantify emissions resulting from fertilization provided that it has been sufficiently independently validated to statistically quantify model structural uncertainty for the crops, management systems and Land Resources regions of the project.</p> <p>This section also now states that other process-based models can be approved for use under this methodology to quantify emissions resulting from fertilization, and provides the criteria that a model must meet in order to be considered for approval.</p>	4.4.1
Parameters tables	Clarified references to DNDC-specific parameters, and parameters that may be required by other models.	4.9 and 5.2