

## Global Criteria: Soil Nutrients

**Revision Date:** December, 2018

**Strategic Intent:** Nutrient application is managed to minimize impacts on water and air, while maintaining and enhancing soil quality.

**Indicator:** Implementation of a Nutrient Management Plan (NMP) to enhance production and reduce water and air pollution.

**Theory of change:** A well-developed NMP will help to improve nutrient use efficiency, reduce nutrient impacts on water quality and air pollution, while improving soil quality. Written procedures and record-keeping will help ensure that agricultural producers are making the best daily and seasonal decisions to drive this outcome. This plan can also include the requirements for the Soil Quality and Retention Criteria.

**Reporting Strategy:** Each participating member organization that has prioritized this criterion will define what constitutes a Nutrient Management Plan for their unique situation. Member organizations will report the number of their participants who have implemented a Nutrient Management Plan during the period.

**Reporting Schedule:** Baseline established 2017  
Annual reporting period is calendar year (January 1- December 31)  
Reports submitted to DSF via the DSF extranet, by March 31 each subsequent year

### Examples of resources available for Nutrient Management Plan development

Analyzing the Implementation of Nutrient Management Plans by Farmers: Implications for Extension Education, Journal of Extension, December 2016, Vol. 54, No. 6, Article #6RIB2: <https://joe.org/joe/2016december/rb2.php>

FAO Briefing Notes, Production Systems Management: Livestock-Environment Interactions:  
[http://www.fao.org/ag/againfo/resources/documents/brief\\_notes/BNlivest-enviro10.pdf](http://www.fao.org/ag/againfo/resources/documents/brief_notes/BNlivest-enviro10.pdf)

USEPA Draft Nutrient Management Plan:  
[https://www3.epa.gov/npdes/pubs/cafo\\_draft\\_nmp\\_template.pdf](https://www3.epa.gov/npdes/pubs/cafo_draft_nmp_template.pdf)

Dairy Australia Fert\$mart Fertiliser Management Plan:  
<http://fertsmart.dairyingfortomorrow.com.au/wp-content/uploads/2013/05/PM.16.001-F.-Smart-Soil-Fertiliser-Management-Plan.-Example-1.pdf>

Dairying for Tomorrow Dairy Self-Assessment Tool (DairySAT), a self-assessment and action planning tool for Australian dairy farmers:  
<http://www.dairysat.com.au/>



Dairy Sustainability Framework

REPORTING SECTOR PROGRESS SINCE 2013

Dairy Sustainability Framework  
10255 W. Higgins Rd., Suite 820  
Rosemont, IL. 60018 USA  
[www.dairysustainabilityframework.org](http://www.dairysustainabilityframework.org)

Nutrient Recovery and Reuse (NRR) in European Agriculture; A review of the issues, opportunities, and actions: <https://www.nutrientplatform.org/wp-content/uploads/2016/09/Nutrient-Recovery-and-Reuse-in-European-Agriculture.pdf>