




11. NMP ONLINE	
FAIRWAY partner: Donnacha Doody (AFBI, IE)	
	
<b>Brief description</b>	
The Teagasc NMP online (Nutrient Management Plan) is an online system for developing nutrient management plans for environment and regulatory purposes. It is available to all Agricultural professionals.	
<b>Contaminants covered (e.g. nitrate, pesticides etc.)</b>	Nutrients - N and P
<b>Intended end users (e.g. farmer, water quality manager, policy maker)</b>	Farm Advisors: Access is for Teagasc farm advisors or registered external agricultural consultants only
<b>Level of expertise and/or training required</b>	Designed for Agricultural professional with the user guide outlining step by step instruction for use. In additional a helpdesk email and phone are available to provide extra support where necessary
<b>Geographical resolution (e.g. field, catchment, national)</b>	Farm scale - maps of individual fields showing nutrient levels from soil tests and recommendations for chemical fertiliser, slurry and lime.
<b>Temporal resolution (e.g. daily, annual, long-term).</b>	Annual nutrient account
<b>Real-time component (e.g. live weather data, soil moisture data feeds etc.)</b>	None
<b>Number and type of mitigation measures included</b>	Nitrogen (and other nutrients). Indicates appropriate nutrient loads for individual fields; indicates storage issues on-farm for nutrients; guidance on soil test results.
<b>Platform (e.g. paper-based tool, phone app, bespoke software).</b>	Online - Need to log in through Teagasc
<b>Frequency of updates</b>	At least annually
<b>Cost/availability</b>	Only for select users - fees payable for affiliation with Teagasc advisory based on client numbers: 0 - 50 clients €350 51 - 100 clients €550 101 - 150 clients €750 Additional 50 clients €150
<b>Number of users or number of copies distributed/downloaded/purchased</b>	Figures not available. All farm advisors registered with Teagasc in RoI will have access to this tool.
<b>Links to demo material and other relevant information (e.g. user guides).</b>	Presentation describing the development of the system at: <a href="https://www.teagasc.ie/media/website/publications/2015/NMP-Online-Launch-Teagasc-Soil-Fertility-Conference-Presentation-2015.pdf">https://www.teagasc.ie/media/website/publications/2015/NMP-Online-Launch-Teagasc-Soil-Fertility-Conference-Presentation-2015.pdf</a> (In English)
<b>Additional comments</b>	

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Input data required to run the DST	Soil phosphorus and potassium concentrations Farm location and land parcels numbers Livestock type and numbers Organic fertiliser imports Concentrate Feed Inputs Winter Housing- Animal numbers and type Slurry storage facilities Dirty Water storage facilities Farmyard Manure production –Bale Type Farmyard Manure storage Crop, Year, Total Weight (t) for harvested crop and Moisture Content (%). Farm Map (if available)
Outputs (including links to water quality and economic or financial aspects)	Phosphorus and Nitrogen nutrient management plan on a field by field basis. There is no direct link with water quality other than the nutrient advice provided adheres to current Best Management Practices No Economic outputs provided
Age/provenance of supporting data used to develop the DST	Will be up to date and based on Teagasc research.
Country-specific calibration or data requirements (including restrictions on use)	Used is restricted, access can only be obtained using a farm id number. The tool has been design and evaluated for use on Irish farms only
Details of validation and testing	Not known
Date developed/released (or planned release date)	2015
Author/developer names and affiliations	Teagasc, Johnstown Castle, Co Wexford, Republic of Ireland
Member state(s) where developed	IE
Member State(s) where currently used	IE
Key publication references (including url)	Online User Manual: <a href="https://www.teagasc.ie/media/website/environment/soil/NMP_User_Manual_2016_D5.pdf">https://www.teagasc.ie/media/website/environment/soil/NMP_User_Manual_2016_D5.pdf</a>

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Any other useful information (e.g. screenshots of DST input/outputs)	
Can not access the tool itself as a farm ide number is required. Information is based sololy on the user manual .	