

## 6. CTZOOM/CTTOOLS

FAIRWAY partner: Rikke Krogshave Laursen (SEGES, DK)



### Brief description

Calculation of nitrate leaching based on nitrogen surplus calculation for individual fields

<b>Contaminants covered (e.g. nitrate, pesticides etc.)</b>	Nitrate
<b>Intended end users (e.g. farmer, water quality manager, policy maker)</b>	Municipality
<b>Level of expertise and/or training required</b>	administrator
<b>Geographical resolution (e.g. field, catchment, national)</b>	Field and catchment
<b>Temporal resolution (e.g. daily, annual, long-term).</b>	annual
<b>Real-time component (e.g. live weather data, soil moisture data feeds etc.)</b>	Data input to the model comes from governmental registers (Gødningsregnskaberne og Det Generelle LandbrugsRegister, GLR) on agricultural nitrogen input and output.
<b>Number and type of mitigation measures included</b>	2 Crop rotation and N-application
<b>Platform (e.g. paper-based tool, phone app, bespoke software).</b>	Model Danish
<b>Frequency of updates</b>	Monthly/yearly
<b>Cost/availability</b>	Affordable for the municipality
<b>Number of users or number of copies distributed/downloaded/purchased</b>	Approx. 50
<b>Links to demo material and other relevant information (e.g. user guides).</b>	<a href="http://www.conterra.dk/index.php?action=text_pages_show&amp;id=158&amp;menu=36">http://www.conterra.dk/index.php?action=text_pages_show&amp;id=158&amp;menu=36</a> Danish
<b>Additional comments</b>	Can be used for worst case screening

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Input data required to run the DST	Public databases for nitrogen use and crop distribution
Outputs (including links to water quality and economic or financial aspects)	A calculated nitrate concentration in the root zone
Age/provenance of supporting data used to develop the DST	Annual
Country-specific calibration or data requirements (including restrictions on use)	Only done by the company itself In Danish
Details of validation and testing	No impartial validation
Date developed/released (or planned release date)	2014
Author/developer names and affiliations	ConTerra
Member state(s) where developed	DK
Member State(s) where currently used	DK
Key publication references (including url)	<a href="http://www.conterra.dk/">http://www.conterra.dk/</a> In Danish

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Any other useful information (e.g. screenshots of DST input/outputs)

