




12. FARMHEDGE 	
FAIRWAY partner: Donnacha Doody (AFBI, IE)	
Brief description	
FarmHedge has two components: (1) use of current and forecasted weather for the farm location to provide messages that guide farm activities (e.g. Increased runoff risk on fertilised slopes). (2) The second commercial component allows farmers to book delivery of feed/fertiliser/animal health products online and secure a discount on delivery based on other farmers also ordering.	
Contaminants covered (e.g. nitrate, pesticides etc.)	Advice relates to pesticides (windy days - avoid spraying), slurry/fertiliser (runoff risk from sloping fields), animal health (wet ground - foot problems).
Intended end users (e.g. farmer, water quality manager, policy maker)	Farmers
Level of expertise and/or training required	No specialised training required
Geographical resolution (e.g. field, catchment, national)	General - uses geo-location (network-based approximate location and GPS precise location) . Uses the European Centre for Medium-Range Weather Forecasts (ECMWF) model, which they claim is most accurate available. Live weather data are converted into a set of alerts.
Temporal resolution (e.g. daily, annual, long-term).	Hourly to 10 days in advance
Real-time component (e.g. live weather data, soil moisture data feeds etc.)	Weather data is obtained using the ECMWF Model https://www.ecmwf.int/en/forecasts
Number and type of mitigation measures included	General advice e.g.: "Flooding risk on low-lying ground will increase"; "Increasing runoff risk on fertilised slopes"
Platform (e.g. paper-based tool, phone app, bespoke software).	Phone app (in English). Available for both Android and iOS platforms
Frequency of updates	Less than annual
Cost/availability	Free
Number of users or number of copies distributed/downloaded/purchased	>1900
Links to demo material and other relevant information (e.g. user guides).	http://farmhedge.io/ (In English) http://www.ul.ie/news-centre/news/farmhedge-app (In English) http://www.agriland.ie/farming-news/will-this-smartphone-app-make-farmers-lives-easier/ (In English)
Additional comments	

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Input data required to run the DST	Not available	
Outputs (including links to water quality and economic or financial aspects)	Not available	
Age/provenance of supporting data used to develop the DST	Not provided	
Country-specific calibration or data requirements (including restrictions on use)	The App is free to download and was developed for Ireland but is now being rolled out in Germany and Austria	
Details of validation and testing	Not known – developed by a commercial company	
Date developed/released (or planned release date)	Version 1.0.4 released 18th April 2016	
Author/developer names and affiliations	Dr John Garvey, Senior Lecturer in Risk Management and Insurance at University of Limerick (http://www.ul.ie/news-centre/news/farmhedge-app). University of Limerick spin out company; FarmHedge Ltd contact via: farmhedgeio2016@gmail.com	
Member state(s) where developed	IE	
Member State(s) where currently used	IE (listed and rated on www.agriapps.ie)	
Key publication references (including url)	http://farmhedge.io/	

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