



Progress of updating “Regional Emissions from Biofuels Cultivation” **Harley Stoddart**

Review Process



- 3 independent reviews commissioned by HGCA
 - Does the report reflect the current case for regional emissions?
 - Consider the report as written and based on evidence presented
- Reports synthesised by HGCA and presented in a “Synergy Report”

General comments

- Greater transparency and clarity especially regarding assumptions, conversion factors and GHG emission factors
- Intermediate data should be made accessible
- Present calculations and methodologies in a clear and transparent way

Recommendations

10 recommendations can be grouped into:

- Points of clarification
- Corrections
- Updates

Recommendations



Points of clarification

- How yield and N-rate figures were derived
- The calculation of moisture content for oilseed rape
- The calculation of direct emissions of N_2O from organic soils
- The delineation applied between ploughing and min-till systems

Recommendations



Corrections

- Increase UK average oil content to 42.5%
- Exclude high organic soil types (more than 12% organic matter) from all N_2O calculations, especially relevant for oilseed rape

Recommendations



Updates

- Update the 5-year average yield data to 2007-2011
- Update the 5-year average osr oil content to 2007-2011
- Update fuel consumption figures with data from Farm Business Survey
- Update fertiliser use data to 2007-2011

Progress on data to date



Issue	Data	Readiness
How yield and N-rate figures were derived	AEA	Done
The calculation of moisture content for oilseed rape	E4tech	Done
The delineation of proportion applied between ploughing and min-till systems	NUTS1 data from Defra	Done
Proportion of whole crop wheat	NUTS1 data from Defra	Done
N of straw residue returned	Can be resolved by using JRC default figures & methodology (E4tech)	In hand
Lower Heating Value/Net Calorific Value of rapeseed oil	Evidenced & explained	Done
Exclude high organic soil types	Evidenced & explained	Done
Update the 5-year average yield data to 2007-2011	Defra	Done
Update the 5-year average OSR oil content to 2007-2011	Defra	Done
Update fuel consumption figures with data from FBS	Nix is fine	Done
Update fertiliser use data to 2007-2011	BSFP	In hand

Thank you

