Biomass harvested from energy crops

**Indicator definition**

The biomass harvested from energy crops indicator aims to assess the production level of dedicated energy crops in Europe. The indicator is defined as the amount of biomass produced from dedicated energy crops over the total surface area.

**Units**: thousands of tons per hectare

**Spatial coverage**: NUTS0 and NUTS2

**Temporal coverage**: 2010, 2020, 2030, 2040 and 2050

**Methodology**

The indicator is computed as the amount of biomass harvested from dedicated energy crops in the administrative unit (NUTSx) divided by the total surface of the administrative unit itself. Dedicated energy crops are lignocellulosic crops, either herbaceous or woody (short rotation coppice). Dedicated energy crops are allocated taking into account favourable location characteristics (climate, soil properties, terrain morphology, etc.), relevant legal provisions and policy incentives.

**Main references**

- Future Crops for Food, Feed, Fiber and Fuel - 4CROPS. Webpage: [http://www.4fcrops.eu](http://www.4fcrops.eu) [1]
- Best practice guide lands. Growing Short Rotation Coppice. For applicants to DEFRA’S Energy Crops Scheme. DEFRA Department for Environment, Food and Rural Affairs, England


More information


Responsibility and ownership: European Commission, Joint Research Centre

Energy content of dedicated energy crops

Indicator definition

The biomass harvested from energy crops indicator aims to assess the production level of dedicated energy crops in Europe. This indicator is defined as the amount of energy content of the biomass harvested from dedicated energy crops over the total surface area.

Units: Giga Joules per hectare

Spatial coverage: NUTS0 and NUTS2

Temporal coverage: 2010, 2020, 2030, 2040 and 2050

Methodology

The indicator is computed as the amount of biomass harvested from dedicated energy crops in the administrative unit (NUTSx) divided by the total surface of the administrative unit itself. Dedicated energy crops are lignocellulosic crops, either herbaceous or woody (short rotation coppice). Dedicated energy crops are allocated taking into account favourable location characteristics (climate, soil properties, terrain morphology, etc.), relevant legal provisions and policy incentives.

Main references

- Future Crops for Food, Feed, Fiber and Fuel - 4CROPS
- Best practice guide lands. Growing Short Rotation Coppice. For applicants to DEFRA’S Energy Crops Scheme. DEFRA Department for Environment, Food and Rural Affairs, England


More information


Responsibility and ownership: European Commission, Joint Research Centre

Source URL: https://ec.europa.eu/jrc/en/luisa/outputs-by-theme/energy

Links
[2] http://www.scopus.com/record/display.uri?eid=2-s2.0-84941811276&origin=resultslist&sort=plf-f&src=s&s&id=C647A3A2F6CDDF0E5F650D675138D1E6.53bsOu7mi7A1NSY7fPj1g%3a150&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2856700364900%29&relpos=0&citeCnt=0&searchTerm=