
Dataset Information:

Title	Agri-environmental indicators: Fertilizers
Abstract	This “Agri-environmental indicators: Fertilizers” domain provides the ratio between the totals by nutrient of agricultural use of chemical or mineral fertilizers, reported in the FAOSTAT domain “Inputs/Fertilizers by Nutrient” for nitrogen (N), phosphorus (expressed as P ₂ O ₅) and potassium (expressed as K ₂ O), and the area of cropland (sum of arable land and permanent crops) reported in the FAOSTAT domain “Inputs/Land Use”. This ratio is provided at country level, as well as for regional and global aggregations.
Supplemental	FAOSTAT Agri-environmental indicators are calculated by FAO and may not coincide with data reported by member countries to relevant international processes. They are intended primarily as a useful international reference.
International Standards	For information about compliance with the System of Environmental-Economic Accounting (SEEA) and with the Framework for the Development of Environmental Statistics (FDES 2013), see the corresponding notes in the documentation of the two source domains: Fertilizers by Nutrient and Land Use .
Creation Date	2011
Last Update	2020
Data Type	Agri-environmental indicators
Category	Agriculture; Environment
Time Period	1961 - 2018
Periodicity	Annual
Geographical Coverage	World
Spatial Unit	Country
Language	Multilingual (EN, FR, ES)

Methodology and Quality Information:

Methods	The indicator <i>Use per area of cropland</i> is calculated as:
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$$U_{(i,c,y)} = \frac{F_{(i,c,y)}}{Area_{(c,y)}}$$

Where:

- $U_{(i,c,y)}$ Use per area of cropland of fertilizer nutrient i in country c and year y (in kg/ha)
- $F_{(i,c,y)}$ Total agricultural use of fertilizer nutrient i in country c and year y (in tonnes)
- $Area_{(c,y)}$ Cropland area (corresponding to the sum of arable land and permanent crops) in country c and year y (in 1 000 ha)
- $i =$ Nutrient: nitrogen (N), phosphorus (expressed as P_2O_5) or potassium (expressed as K_2O).

Data sources

Data used in the calculation of this agro-environmental indicator are sourced from the FAOSTAT Inputs domains “[Fertilizers by Nutrient](#)” and “[Land Use](#)”. Trends in the derived agro-environmental indicator are thus directly associated with the trends of the underlying data sources.

For the aggregations (regions and special groups), only countries with data for both agricultural use (numerator) and cropland area (denominator) are included in the calculation.

Note

Data for the following territories are currently not displayed because quality checks are being conducted on their data series: Bahrain; Bermuda, Brunei Darussalam, China, Hong Kong SAR; Ireland; Kuwait; Montenegro; Netherlands; New Zealand; Saint Kitts and Nevis; and Singapore.

Data Collection Method

Computed data.

Useful links

Fertilizers by Nutrient: <http://www.fao.org/faostat/en/#data/RFN>

Land Use: <http://www.fao.org/faostat/en/#data/RL>

Distribution Information:

Owner FAO

Provider FAO

Source FAO

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