

Dataset Information:

Title	Agri-environmental indicators—Pesticides
Abstract	The Agri-environmental Indicators—Pesticides domain provides information on the agricultural use of total active ingredients in pesticides per area of cropland. Data for the indicator “Use per area of cropland” are available at country level, with regional and global aggregations and for the period 1990 to 2016.
Supplemental	Data in FAOSTAT Agri-environmental Indicators—Pesticides are estimated by FAO and may not coincide with data reported by member countries to relevant international processes. They are intended primarily as an analytical tool and a useful international reference.
International Standards	The indicator <i>Use per area of cropland</i> is computed with FAOSTAT data that are compliant with the System of Environmental-Economic Accounting Central Framework (SEEA CF), the System of Environmental-Economic Accounting for Agriculture Forestry and Fisheries (SEEA AFF), and the Framework for the Development of Environmental Statistics (FDES 2013). See metadata for Inputs Pesticides Use and Land Use .
Creation Date	2011
Last Update	2018
Data Type	Agri-environmental indicators
Category	Agriculture; Environment
Time Period	1990 – 2016
Periodicity	Annual
Geographical Coverage	World
Spatial Unit	Country
Language	Multilingual (EN, FR, ES)

Methodology and Quality Information:

Methods	<p>The indicator <i>Use per area of cropland</i> is calculated as:</p> $U_{(C,Y)} = \frac{PT_{(C,Y)}}{Area_{(C,Y)}}$ <p>Where:</p> <p>$U_{(C,Y)}$ Use per area of cropland in country C and year Y (in kg/ha)</p> <p>$PT_{(C,Y)}$ Pesticides (in total active ingredients) in country C and year Y (in tonnes)</p>
----------------	--

$Area_{(C,Y)}$ Cropland area (corresponding to the sum of Arable land and Permanent crops) in country *C* and year *Y* (in 1 000 ha)

Pesticides (total) is the sum of active ingredients in the following categories of pesticides: Fungicides & Bactericides, Herbicides, Insecticides, Plant Growth Regulators, Seed Treatment Fungicides, Seed Treatment Insecticides, Mineral Oils, Rodenticides, and Disinfectants and Other pesticides, *nes* (not elsewhere specified).

Data sources

Data used in the calculations of this agro-environmental indicator are sourced from other FAOSTAT domains. Namely, the domain [Inputs – Pesticides Use](#) (RP) is the source of information used as nominator in calculations. Cropland area values that are used as denominator in calculations are derived from the domain [Inputs - Land Use](#) (RL). Trends in the derived agro-environmental indicator are thus directly associated with the underlying data sources.

Data Collection Method

Computed

Completeness

100%

Useful links

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

Distribution Information:

Owner

FAO

Provider

FAO

Source

FAO

Copyright Policy

Content on www.fao.org, its affiliated websites and specific pages (collectively "the FAO website") is protected by copyright. To ensure wide dissemination of its information, FAO is committed to making its content freely available and encourages the use, reproduction and diffusion of the text, multimedia and data products presented. Except where otherwise indicated, content may be copied, printed and downloaded for private study, research and teaching purposes, or for use in non-commercial products or services, provided that appropriate acknowledgement of FAO as the source and copyright holder is given and that FAO's endorsement of users' views, products or services is not stated or implied in any way. FAO encourages the unrestricted use of news releases provided on the FAO website, and no formal permission is required to reproduce these materials. All requests for translation and adaptation rights, and for resale and other commercial use rights should be addressed to copyright@fao.org or submitted via the online [Licence Request Form](#) when downloading.

Citation

FAO, 2018. FAOSTAT, Agri-environmental Indicators / Pesticides. Available at <http://www.fao.org/faostat/en/#data/EP>

Acknowledgements FAOSTAT Agri-Environmental Indicators domains are developed and maintained by the Environmental Statistics Team, FAO Statistics Division (ESS), with Regular Programme Funding under O6 and SO2.