



Food and Agriculture Organization
of the United Nations



>> FAO Statistics Division

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Source: FAO, 2020

FAO agri-environmental data collection

UN EGES Annual Meeting – October 19, 2021



Annual Data Collection, Analysis and Dissemination

- Regulated by FAO Constitution:

Article I

Functions of the Organization

1. The Organization shall collect, analyse, interpret and disseminate information relating to nutrition, food and agriculture.

In this Constitution, the term "agriculture" and its derivatives include fisheries, marine products, forestry and primary forestry products.

- Statistics are a core pillar of FAO Mandate
- Member States provide data relevant to food and agriculture via national focal points (NSOs; Min Ag; Other)
- Global knowledge products; Support to evidence-based decision making

Annual Data Collection, Analysis and Dissemination

Food and Agriculture Organization of the United Nations

QUESTIONNAIRE ON LAND USE, IRRIGATION AND AGRICULTURAL PRACTICES

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QUESTIONNAIRE ON FERTILIZERS

Food and Agriculture Organization of the United Nations

QUESTIONNAIRE ON PESTICIDES USE

Country: country_ Reference: calendar years from from_ to to_ Unit of measurement: tonnes (t)

Purpose of the questionnaire

The Pesticides Use questionnaire is designed to collect data on pesticides use in the agricultural sector for crops, seeds and forestry. It covers major pesticide types (Insecticides, Mineral Oils, Herbicides, Fungicides, Plant growth regulators and Rodenticides) and relevant chemical groups (Organo-phosphates, Phenoxy hormone products, Carbamates, etc.). Data are requested in quantity of active ingredients. The data are disseminated in FAOSTAT at <http://www.fao.org/faostat/en/#data/RP>.

Please complete or update the contact details of the national focal point responsible for this questionnaire in your country.

National Focal Point	
Name	
Title	
Administration and Office	
Address	
City	
Email	
Tel	
Fax	
Web site address	

Structure

This questionnaire is composed of:
 Three introductory sections (Cover, Instructions and Definitions);
 Two data reporting sections (1. Pesticides Data, 2. Additional Information); and
 Two supplementary information sections (3. Metadata, and 4. Feedback).

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FAOSTAT


Data Selected Indicators Compare Data Definitions and Standards FAQ

Search an Indicator or Commodity


Food and agriculture data

FAOSTAT provides free access to food and agriculture data for over 245 countries and territories and covers all FAO regional groupings from 1961 to the most recent year available.

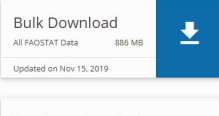
[Explore Data](#)



Database Updates



Bulk Download
 All FAOSTAT Data 886 MB
 Updated on Nov 15, 2019



Database description
 Includes basic information on datasets and links to individual bulk download files.

Land Use, Irrigation and Agricultural practices

Pesticides Use and Trade

Mineral and Chemical Fertilizers

DATA COLLECTION/DISSEMINATION PROCESS, 2021/22

Joint dispatch to 205 countries

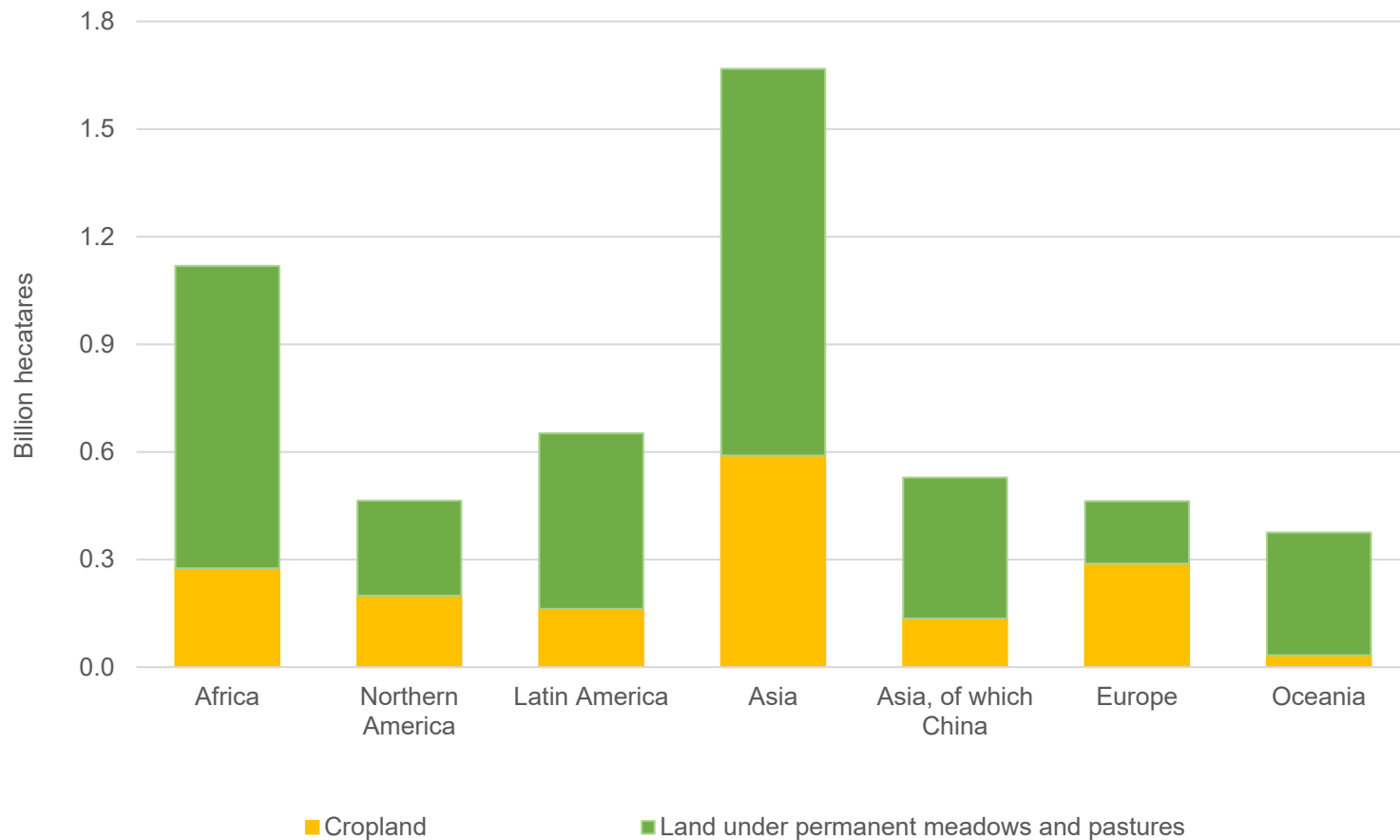
- First dispatch: October 4th (sent to established national focal points and copy to NSOs, FAO offices and FAO regional statisticians)
- First reminder: November
- Second reminder: December (via FAO country offices: representative, regional, sub-regional)
- Dissemination: June 2022

Coverage and response rate

- The database covers **246** countries and territories in the period 1961–2019. The questionnaires are sent to **205** countries/territories
- The overall response rate is **40-50%**.
- Gap filling is performed, either using official information from government websites (typically updated with agricultural Censuses) or by statistical methods. Auxiliary information including geospatial (i.e., land cover) is increasingly applied
- In 2021, overall imputation was **30-35%**

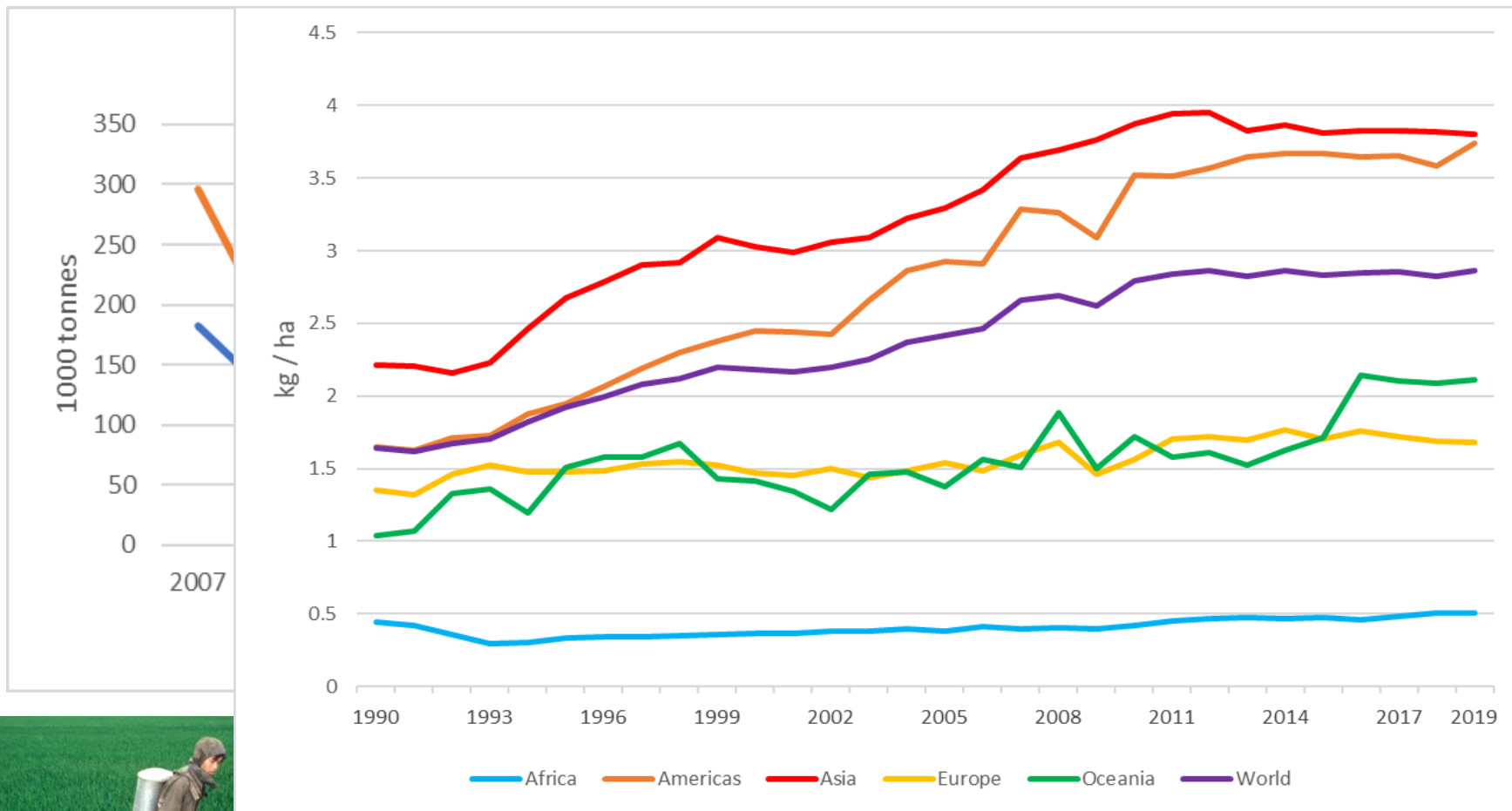
Land Use Statistics

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<https://www.fao.org/3/cb6033en/cb6033en.pdf>

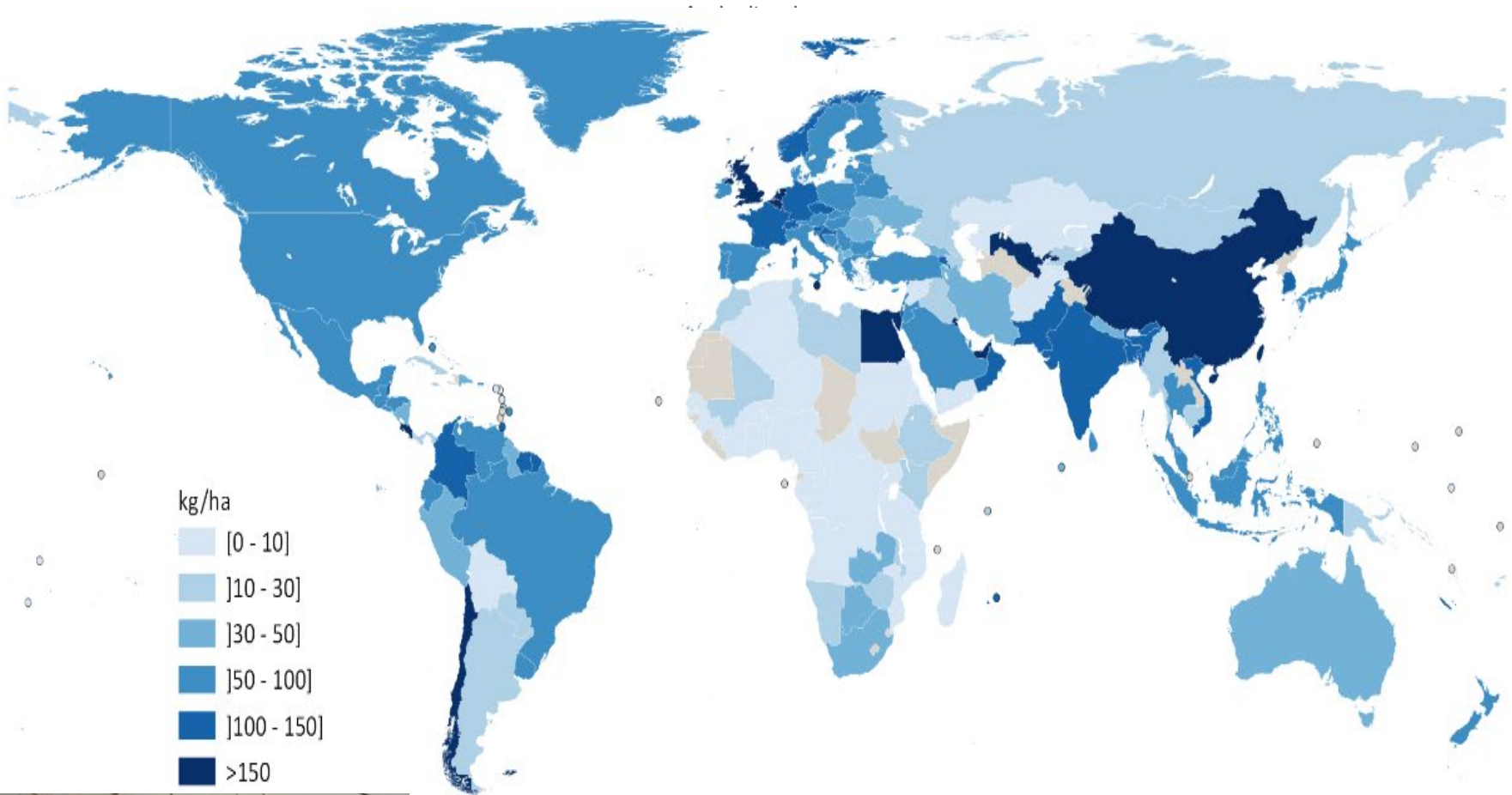
Pesticides Statistics



<https://www.fao.org/3/cb6034en/cb6034en.pdf>

Fertilizers Statistics

Nitrogen (N)



<https://www.fao.org/3/cb5738en/cb5738en.pdf>

SDG 2.4.1: Productive and sustainable agriculture

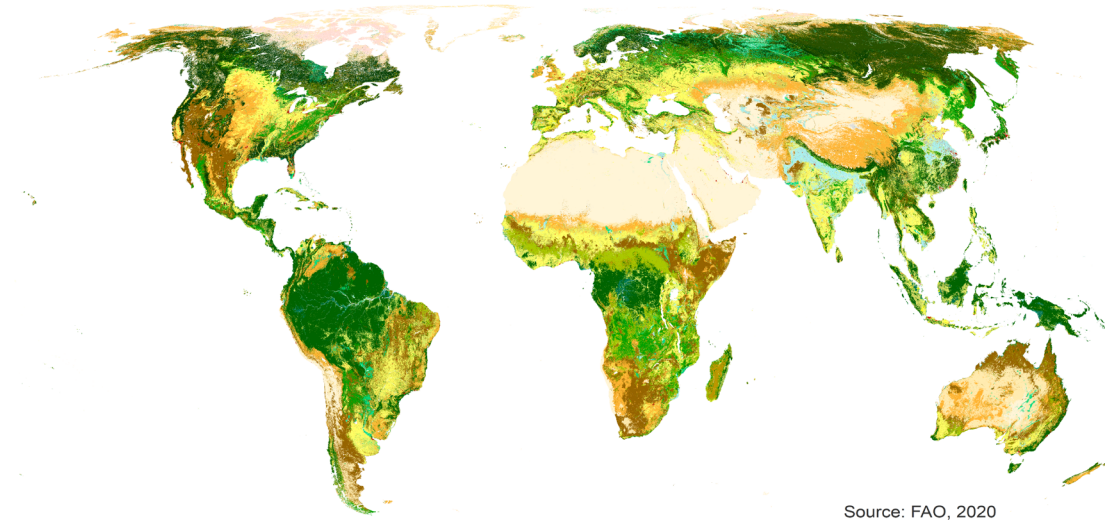
Data collection pilot in 2019, full questionnaires sent since 2020

Dimension	Themes	Sub-indicators
Economic	1. Land productivity	Farm output value per hectare
	2. Profitability	Net farm income
	3. Resilience	Risk mitigation mechanisms
Environmental	4. Soil health	Prevalence of soil degradation
	5. Water use	Variation in water availability
	6. Fertilizer risk	Management of fertilizers
	7. Pesticide risk	Management of pesticides
	8. Biodiversity	Use of agro-biodiversity-supportive practices
Social	9. Decent employment	Wage rate in agriculture
	10. Food security	Food Insecurity Experience Scale (FIES)
	11. Land tenure	Secure tenure rights to land

Conclusions

- FAO regularly engaged in collection, analysis and dissemination of agri-environmental statistics relevant to food and agriculture
- New data collection activity on SDG 241
- FAO ENV Team available to provide advise and support to national data teams

Thank you!



Source: FAO, 2020



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