

	IFASTAT - Supply Database	IFASTAT - Consumption Database	FAOSTAT - Fertilizers by Nutrient	FAOSTAT - Fertilizers by Product
URL	https://www.ifastat.org/databases/supply-trade	https://www.ifastat.org/databases/plant-nutrition	https://www.fao.org/faostat/en/#data/RFN	https://www.fao.org/faostat/en/#data/RFB
Coverage	Production, imports, exports, home deliveries, and apparent consumption.	Production, imports, exports, and consumption (totals only). For consumption, also breakdown by product.	Production, imports, exports, and agricultural use.	Same as FAOSTAT - Fertilizers by Nutrient.
Units	Thousand tonnes, available for both products and nutrients	Thousand tonnes of nutrients (N, P ₂ O ₅ and K ₂ O)	Tonnes of nutrient (N, P ₂ O ₅ and K ₂ O)	Tonnes of product
Plan nutrition vs industrial or technical use	Data cover all uses (plant nutrition as well as industrial or technical use).	Data cover plant nutrition uses only (applications to crops, pastures, forests, fish ponds, turf, ornamentals). Technical uses are excluded.	Data on production, imports and exports cover all uses (agricultural use as well as industrial or technical use). Consumption data cover agricultural use only (crops, livestock, fisheries and aquaculture; excluding use for animal feed). Other plant nutrition uses (such as ponds, turf and ornamentals) would be excluded, but due to lack of information to discriminate them it is assumed that they may be included in the values for agriculture use. Technical uses are excluded, to the extent allowed by data availability.	Same as FAOSTAT - Fertilizers by Nutrient.
Reference period	Calendar year (January to December). Quaterly reports for selected products, and half year reports for MOP.	Production, imports and exports: mainly calendar year (January to December). Consumption: mix of calendar year (January to December) and fertilizer campaign year (e.g. July [t] -June[t+1]), depending on the country.	Data refer mainly to calendar year (January to December), with exceptions indicated in the 'country notes' section (e.g. some countries report agricultural use in fertilizer campaign year).	Same as FAOSTAT - Fertilizers by Nutrient.
Data sources	IFA member & non-member companies, fertilizer associations, and consultants.	Survey conducted every year, sent to country correspondents, including fertilizer associations, fertilizer companies, consultants, experts, and university researchers.	The main data source for production and agricultural use is the FAOSTAT Fertilizers questionnaire (https://www.fao.org/statistics/data-collection/en/), sent to country focal points within the national statistical systems. These data are complemented with national publications when available. Trade data (imports and exports) are obtained from the UN Comtrade Database (https://comtrade.un.org).	Same as FAOSTAT - Fertilizers by Nutrient.
Imputation	Consumption estimated as apparent consumption: production + imports - exports.	Consumption data reflect real consumption, to the extent possible. If not available, consumption data estimated as apparent: production + import - export (- industrial use, where applicable).	Missing data may be imputed using the balance equation: production + imports = exports + agricultural use + technical uses. Imputations may also be based on data from national reports and from associations, including IFA data.	Imputation on data by product is more limited than on data by nutrient. Completeness of the data by product is therefore lower, and no regional aggregates can be provided.
Nutrient content (grades) of NPK compound fertilizers	Country specific information, if available. Otherwise a default grade of 15-15-15 is applied.	Country specific information, if available. Otherwise a default grade of 15-15-15 is applied.	Default grades are provided in the questionnaire (e.g. 15-15-15 for NPK compounds). If country-specific grades are reported, those are applied to the questionnaire data.	Same as FAOSTAT - Fertilizers by Nutrient.
Production of NPK compound fertilizers Bulk blends	Regional NPK production provided from 2015. Bulk blends excluded.	Physical bulk blends are excluded, with the exception of China. For some countries locally producing NPK compounds, where disaggregate data is unavailable, the respective nutrients consumed are accounted for in the respective raw materials. (For example, K ₂ O consumption in NPKs would be accounted for under MOP).	Production of compound fertilizers included only for the nutrients not already accounted for in the primary products. Therefore, bulk blends are excluded (to avoid double counting) if their nutrients were already accounted for under the products used in the blend.	The data by product provide all production data available (including bulk blends), without distinction between primary and secondary production. Secondary production, however, is excluded from the data by nutrient (to avoid double-counting of nutrients).