



Classification issues

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Production-related data: General situation

- › Area data, production data, livestock data: Some level of harmonisation in the EU due to Eurostat
- › Country data are available in the Eurostat database according to Eurostat's classification for organic products
- › Some countries are now beginning to use the Eurostat classification system for their national data collection and reporting

Problems for production-related data

- › Contradictions Eurostat – national data
- › Animals not clear in the statistics (neither national nor Eurostat): Annual average stock is demanded by Eurostat, but some countries provide animal slaughtered or the places.
- › Inclusion of wild collection areas (Spain up to 2011) or forest areas (UK) in national and Eurostat Statistics
- › Eurostat: No breakdown for some important crops (e.g protein crops).
- › Importers and processors: Sometimes all are reported (including mixed ones) , sometimes only the specialized processors, not always consistent over the years.
- › Classification problems for some crops:
 - › Strawberries can be grouped as vegetables or as fruit,
 - › green fodder from arable or temporary grassland sometimes classified as permanent grassland or vice versa.
 - › Confusion green pulses (vegetables) and protein crops (dried pulses)

Products (manufactured): retail sales, imports, exports: General situation

- › Almost every country has a different classification, no matter if private or public collection system
- › Probably the only country that uses an official, international classification is Denmark (HS codes)
- › Most other countries use an updated version of the (often nationally unique) nomenclature/classification of the respective market research companies that provide the market data (Nielsen, Kantar, GfK).
- › Thus, the situation is far more complicated for manufactured products than it is primary production-related.

Aggregations

- › «Vegetables + Fruit» – not comparable to other countries, where we have a separate figure (share of total fruit and share of total vegetables)
- › «Pet food, breakfast cereals and other»: Swiss oddity
- › «Dairy products and eggs»
- › «Dairy products excluding cheese»

What products are in a group?

- › Do «processed fruits» include juices, or are they part of «beverages» group?
- › Do the «dairy products» or the «oils and fats» group include the butter?
- › Does the «processed fruits» or the «tinned food» group include «tinned fruit»?
- › Do the «Macaroni, noodles, couscous» or the «grain mill products» include the pasta?

Data aggregations

Tabell 3: Omsetning av økologiske matvarer i dagligvarehandelen og andre salgskanaler i 2012 og 2013, i mill. kroner

Produktkategorier	Total omsetning		Endring siste år i %	Andel økologisk av total omsetning	
	2012	2013		2012	2013
Meieriprodukter	257,3	275,4	7,0 %	1,7 %	1,6 %
Komprodukter og bakervarer	117,5	126,4	7,6 %	0,9 %	0,9 %
Kjøtt (alle slag)	45,6	53,1	16,4 %	0,3 %	0,3 %
Egg	102,6	108,3	5,6 %	5,6 %	5,7 %
Frukt, bær og nøtter	63,1	93,1	47,5 %	0,8 %	1,0 %
Grønnsaker og poteter	211,3	270,8	28,1 %	2,2 %	2,6 %
Totalt matvarer i dagligvarehandelen ¹	1 163,8	1349,6	16,0 %	1,2 %	1,1 %
Andre salgskanaler ²	266,1	304,8	14,3 %	-	-
Registrert omsetning alle salgskanaler	1 429,9	1 654,4	15,7 %	-	-

¹Kilder: Nielsen

² Omsetning rapportert til SLF fra storhusholdning samt direktesalg som Bondens marked, abonnementsalg, bakeri utenom dagligvare- og faghandel og spesialforretninger. Dette tallet er ikke inkl. helsekostbutikker.

Source: Norwegian Agricultural Authority, NO

- › Example for aggregated data
- › Unknown if e.g. butter belongs to fat or to dairy products

Data aggregations

- › Groups and details –
- › possibly grouped data cannot be used, but only details e.g. group „milk, cheese, eggs“



The screenshot shows the StatBank Denmark interface. The title is "OEKO3: Turnover of organic foods in retail shops by commodity ar". Below the title are options for "Download file as..." (Excel), "Edit table" (Pivot), and "Graphics" (Line Chart). There are checkboxes for "Codes in sep. columns" and "Incl. Footnotes etc.". The table below is titled "Turnover of organic foods in retail shops by unit, commodities and time" and shows data for 2011, 2012, and 2013. The table is categorized by "Quantity in tons".

	2011	2012	2013
Quantity in tons			
Turn over, total	264 361	240 912	248 086
Rice, bread, pasta, flour, groats, cakes, total	32 055	29 276	31 032
Rice	1 821	1 785	2 394
Ryebread	2 119	1 466	1 801
White bread	1 733	1 674	1 236
Pasta	4 251	4 104	4 297
Flour	8 652	7 714	8 961
Groats, cornflakes, muesli etc.	11 318	10 990	11 030
Crispbread, ricecakes	745	678	583
Other flour- and groatproducts	984	532	361

Source: Danmarks Statistik, DK

Detailed product lists vs. aggregated data

Food+Getränke
BIO - Lebensmittel + Getränke
Alkoholfreie Getränke
Fruchthaltige Getr.
Fruchtsäfte
Fruchtnektare/Saftgetränke
Gemüsesäfte/-trunke
sonst. FHG
CO2-Erfrischungs Getr.
Cola/Colah. Getr.
Limonaden
Mineral/Heil/Tafelwasser
Mineral/Heilwasser
Wasser mit Zusätzen
Alkohohaltige Getränke
Bier
Biermischgetr.
Sekt/Champagner
Spirituosen
Wein (ohne Direktkauf)
restl. alkohoh. Getr.
Babynahrung
Babycost
Babygetränke
Säuglingsmilchnährg.
REST
Backzut./-Hilfen/Zucker
Backmischg/Grundteige
Backzutaten/-Treibmittel
Mehl
Zucker
Beilagen
Teigwaren
Reis
Kartoffelprodukte
Boullions/Soßen fl.
Boullions/Brühens
Fertigsoßen fl.
Brotaufstriche ges.
Honig/-ersatz
Konfit./Marmel./Gelee
Nuß-Nougat-/Schokocreme
Pflanzl. Brotaufstriche
REST
Cerealien/Müsli
Cerealien
Getreideflocken
Müsli
Delikatessen gekühlt
Antipasti
Fisch ger./marin.
Feinkostsalate
REST

Fertigger./Snacks fl/gek.
Fertiggerichte
Suppen/Eintöpfe
Snacks (pikant)
MOPRO weiß
Dessert/Puddinggr.
Grütze/Götterspr.
Milchreis/Griesbr.
Puddingcremes
Sojadesert
Milch/Joghurt-D.
REST
Konsum-Milch
Frisch-Milch
bis 1,5% FriMI
1,6-3,5% FriMI
3,6% u.m. FriMI
H-Milch
bis 1,5% H-Mi
1,6-3,5% H-Mi
3,6% u.m. H-Mi
REST
Milchgetränke
Trinkjoghurt
Buttermilch/Kefir
Milch-Mischgetr.
Trinkmolke/Fitmilch
Ziegen-/Schafsmilch
Sojagetränke
REST
Joghurt fest
Naturjoghurt
Fruchtjoghurt
Soja-Joghurt
Milchrahmerzeugnisse
Sahne/Schlagrahm
Crème Fraiche
Sauerrahm
Sojaerzeugnisse
Quark
Natur-Quark
Frucht-Quark
Pikanter Quarkl
REST
Zaziki-Produkte
Zaziki Joghurt
Gewürze/Kräuter/Salz
Gewürze/Kräuter
Salz
Heißgetränke
Kaffee
Röstkaffee
sonst. Kaffee

Tee
Früchte-/Kräutertee
Schwarzer Tee
Grüner Tee
REST
Kakao/Trinkschokolade
Konserven ges
Essig-/Grukenkons.
Gemüse/Rotk.-/Sauerkraut K.
Rotkohl/Sauerkraut
Obst-Konserven
Pilzkonserven
Fisch-Konserven
Wurst-Konserven
Nahrungsfette/Speisee-Öle
Butter
Margarine
Butterzubereitung
Schmalz/Mischfette
Speise-/Tafelöl
Nussöle
Sonnenblumenöl
Sojaöl
Olivenöl
Rapsöl
Sonstige Öle
"Süßwaren" gesamt
Bonbons/Drops/kaugummi
Frucht-Weingummi
Fruchtbonbons/Drops
Husten/Halsbonbons
Karamel-/Sahnebonb.
restl. Bonbons
Schokoartikel ges.
Tafelschokolade
Pralinen
REST
Süßgebäck/Kuchen
Knabberartikel
Müsli-/Getreideriegel
Nüsse/Studentenfutter
Kartoffelknabbergeb.
Laugen-/Cocktailgeb.
Knusperreis-Scheiben
REST

Tiefkühlkost/Sp.Eis
Tiefkühlkost
TK-Backwaren
TK-Geflügel
TK-Fleisch
TK-Fisch
TK-Gemüse
TK-Obst
TK-Kartoffelprod.
TK-Fertigprod.
TK-Pizza
Speise-Eis
Trockenfertig-Prod.
Trock. Fertig-Ger.
Tro. -Dessert
Restl. Trockensortiment
Kondensmilch
Hülsenfrüchte
Trockenfrüchte
Frischteige
Brotwaren
Fleischersatz (Soja/Tofu)
Fleischers TroFert
Fleischers Wurst
Würzen
Ketchup/To-Mark
Würz/Cocktail-Sal.-soßen
Senf/Mayo/Remoulade
Flüssig-/Zitronenwürze
Essig
FRISCHE WGR
Backwaren
Brot frisch
Brötchen/Laug-Geb.
sonst. Backwaren
Eier
Frisch Fisch/Fleisch
Frisch Fisch
Fleisch fr.
Rot-Fleisch
davon Schwein
davon Rind
Geflügel fr.
Fleisch-/Wurstwaren

Gemüse/Kart./Obst fr.
Gemüse
Gurken
Karotten
Kohlgem
Paprika
Pilze
Salate
Spargel
Tomaten
Zwiebeln
Kartoffeln
Obst Frisch
Äpfel
Bananen
Birnen
Citrus-Früchte
Erdbeeren
Heidelbeeren
Steinobst
Trauben
Käse
Frischkäse
Hart-/Schnittkäse
Schmelzkäse
Weichkäse
REST

Very detailed product lists give as detailed data as possible and are easy to compare with others by grouping them as needed

Source: GfK, DE

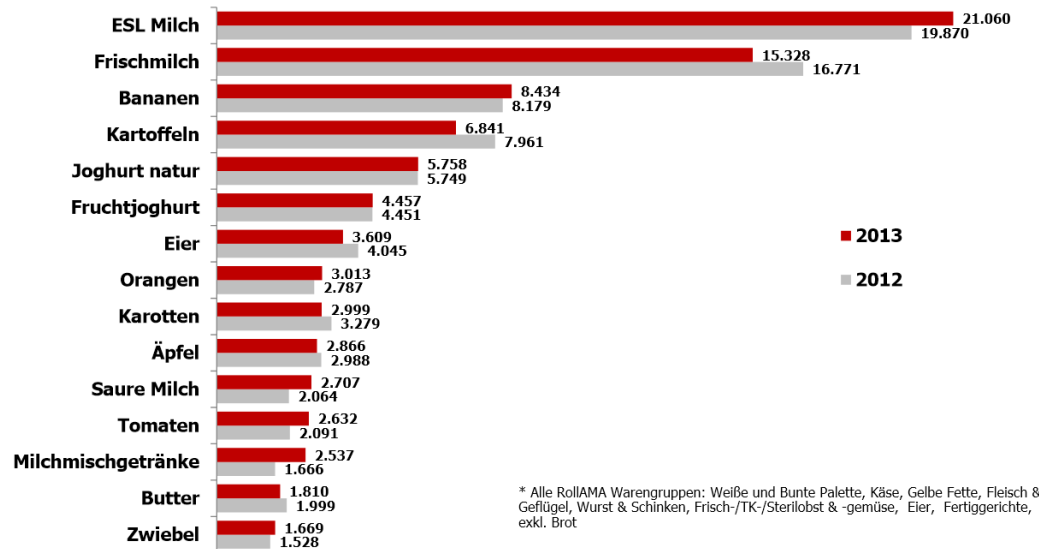
Incomplete data

- › Not all products are covered by many systems (e.g. no processed food for Austria)
- › Not all products within one group are covered, hence wrong assumption for whole group (e.g. in France for «beverages» only a part of all organic beverages is covered)
- › Coverage gap: collection covers only a part of a product (mainly household panel data, as households do not scan all their purchases, e.g. bread and bakery products are often not complete because often consumed out of home)

Top 15 RollAMA Bioprodukte*

Ranking nach Menge in 1.000 kg
LEH mit Hofer/Lidl

- › Example detailed data but only for the top 15 products and not all product categories



* Alle RollAMA Warengruppen: Weiße und Bunte Palette, Käse, Gelbe Fette, Fleisch & Geflügel, Wurst & Schinken, Frisch-/TK-/Sterilobst & -gemüse, Eier, Fertiggerichte, exkl. Brot

Consequences of differently classified, aggregated, incomplete and missing data

- › Harmonized data storage is problem
- › Comparison over countries not possible
- › Often comparisons even for one country is not possible because of changes in the classification etc. over the years.

Different hierarchies make data difficult to compare

- › To make data comparable it is the best to have as many details as possible
- › If you build up new data collection system we recommend to use the relevant Eurostat codes

Classifications used by the OrganicDataNetwork

- › For organic agricultural land and crops: **Eurostat Handbook for Annual Crop Statistics** (Regulation 543/2009) (Revision 2013 – Presented in the WPM of the 12 and 13 March 2013, finalised in July 2013 (Adaptation of the OrganicDataNetwork database is in progress)
http://epp.eurostat.ec.europa.eu/cache/ITY_SDDS/Annexes/apro_cpp_esms_an2.pdf
- › For products: Eurostat (2008): **CPA 2008 - Statistical Classification of Products by Activity**. Eurostat, Luxembourg
http://epp.eurostat.ec.europa.eu/portal/page/portal/cpa_2008/introduction

Excerpt from the : Eurostat Handbook for Annual Crop Statistics

Old code	New code	NOMENCLATURE (Reg. 543/2009)	Comment.	Table	Harvested production	
					31Mar N+1	31Mar N+1
	C1601	Vegetables, melons and strawberries (including kitchen gardens)			Op	Op
	C2007	Permanent crops		Tab. 3	X	Op
C2090	C2090	Apples		Tab. 3	X	X
C2110	C2110	Apples for fresh consumption		Tab. 3	Op	X
C2112	C2112	Golden Delicious			Op	Op
C2113	C2113	Other apples for fresh consumption			Op	Op
C2095	C2095	Pears		Tab. 3	X	X
C2130	C2130	Pears for fresh consumption			Op	Op
C2170	C2170	Stone fruits			Op	Op
C2180	C2180	Peaches		Tab. 3	X	X
C2221	C2221	Nectarines		Tab. 3	X	X
C2190	C2190	Apricots		Tab. 3	X	X
C2200	C2200	Cherries		Tab. 3	X	X
	C2201	Sour cherries		Tab. 3	X	X
C2210	C2210	Plums		Tab. 3	X	X
C2229	C2229	Other stone fruits n.e.c.			Op	Op
C2270	C2270	Berries (excluding strawberries)			Op	Op

CPA 2008: Classification for products of agriculture

The screenshot shows the Eurostat website interface for the CPA 2008 classification. The header includes the European Commission logo and the Eurostat tagline "Your key to European statistics". The breadcrumb trail is "European Commission > Eurostat > ESS-MH > RAMON > Metadata". The main title is "METADATA" followed by "Statistical Classification of Products by Activity in the European Economic Community, 2008 version". Navigation options include "Introduction", "Metadata" (highlighted), "Correspondence Tables", "Search Engine", and "What's new". A "Further files and information" dropdown menu is visible. The "Layout" is set to "Hierarchic". A "Top of classification" button is present. A search box with a "Show Code" button and a language selector set to "English" are also shown. The "Detail" section displays a hierarchical list of products:

- A PRODUCTS OF AGRICULTURE, FORESTRY AND FISHING
 - 01 Products of agriculture, hunting and related services
 - 01.1 Non-perennial crops
 - 01.11 Cereals (except rice), leguminous crops and oil seeds [Detail](#)
 - 01.11.1 Wheat
 - 01.11.11 Durum wheat
 - 01.11.12 Wheat, except durum wheat

CPA 2008: Classification for manufactured products

Contact | Important legal notice

European Commission
eurostat Your key to European statistics

European Commission > Eurostat > ESS-MH > RAMON > Metadata

Introduction | **Metadata** | Correspondence Tables | Search Engine | What's new ?

METADATA

Statistical Classification of Products by Activity in the European Economic Community, 2008 version

--- Further files and information ---

Layout: Hierarchic

Top of classification

Back to classification list

Show Code

Select language of the data: English

Detail

- C MANUFACTURED PRODUCTS
 - 10 Food products
 - 10.3 Processed and preserved fruit and vegetables
 - 10.39 Other processed and preserved fruit and vegetables
 - 10.39.2 Processed and preserved fruit and nuts
 - 10.39.21 Fruit and nuts, uncooked or cooked, frozen
 - 10.39.22 Jams, fruit jellies and fruit or nut puree and pastes
 - 10.39.23 Nuts, groundnuts, roasted, salted or otherwise prepared
 - 10.39.24 Fruit and nuts, provisionally preserved, not for immediate consumption
 - 10.39.25 Other prepared or preserved fruits

CPA 2008: Classification for manufactured products

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