

A wire shopping basket filled with fresh groceries. In the center is a large, round, crusty loaf of bread. To its left are bunches of green herbs and leeks. Below the bread are two red and yellow apples, a green cucumber, and a white egg carton. In the foreground, there are several bright orange carrots. To the right of the bread is a bag of green leafy salad. At the bottom right, a brown paper bag is filled with potatoes. A small can of food is also visible near the bottom center. The background shows more vegetables like corn and mushrooms.

# FORKFUL OF FACTS

Finnish Food Chain Statistics

# 2023

Ruokatieto

## FOR THE READER

Forkful of Facts – Finnish Food Chain Statistics is an extensive setting of statistics, covering the entire food chain from field to fork.

Forkful of Facts contains statistics about food chain practices and development. The tables convey information about how the Finnish high quality and safety in food production is built based on Finnish knowhow adding competitiveness in the international markets.

Forkful of Facts 2023 leads the reader through retail and food industry to farms on land and in waters, after which responsible procedures in the food chain are presented. The most recent information is mainly from year 2022. For comparison some information from earlier years as well as international data is included. New table for greenhouse gas emissions of agriculture has been introduced this year.

Forkful of Facts is available in three languages (Finnish, Swedish, English) as paper copy and online publication at [ruokatieto.fi/tietohaarukka](http://ruokatieto.fi/tietohaarukka).

The mission of Ruokatieto Yhdistys ry (Finnish Food Information) is “for the love of food from our own country”. Our task is to promote the success of the Finnish food chain and food culture by making known the work and expertise ‘from field to table’. The most prestigious designation of origin of Finnish food, the Hyvää Suomesta – Produced in Finland label, lies at the heart of our operations. More than 350 members and label holders represent a wide range of industry players.

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Explanation of symbols:

p = preliminary data    .. = data not available

## CONSUMPTION OF FOOD

### CONSUMPTION EXPENDITURE

<b>Private consumption expenditure at current prices, MEUR</b>	<b>2005</b>	<b>2021p</b>	<b>2022p</b>
Food and non-alcoholic beverages	9 381	14 962	15 757
Share of food and non-alcoholic beverages in consumption expenditure, %	12	12	12
Alcoholic beverages, tobacco and narcotics	4 135	6 144	5 917
Clothing and footwear	3 771	4 454	4 788
Housing, water, electricity, gas and other fuels	18 980	36 907	39 097
Furnishings, household equipment and household maintenance	4 147	6 337	6 479
Health	3 367	6 311	6 522
Transport	10 438	13 265	14 581
Communications	2 185	2 980	3 098
Culture and leisure	9 094	11 228	12 138
Education	333	436	454
Hotels, cafés and restaurants	5 259	6 512	8 535
Other goods and services	7 118	13 393	14 303

Source: Statistics Finland / National Accounts

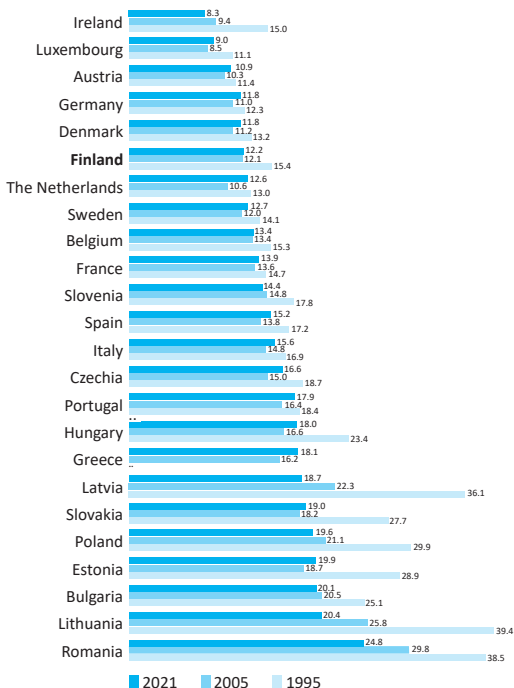
### FOOD EXPENDITURE

<b>Food expenditure of households, per capita</b>	<b>2005</b>		<b>2021p</b>		<b>2022p</b>	
	<b>€/y</b>	<b>%</b>	<b>€/y</b>	<b>%</b>	<b>€/y</b>	<b>%</b>
Bread and cereal products	280	16	375	14	401	14
Meat and meat products	311	17	413	15	428	15
Fish and seafood	69	4	123	5	122	4
Milk, cheese and eggs	307	17	421	16	447	16
Oils and fats	41	2	55	2	62	2
Fruit and berries	124	7	208	8	211	7
Vegetables	155	9	246	9	248	9
Potatoes	27	1	32	1	33	1
Sugar, jam, honey, chocolate and confectionery	137	8	205	8	215	8
Coffee, tea and cocoa	45	3	84	3	97	3
Other goods	317	18	566	21	568	20
<b>Food and non-alcoholic beverages total</b>	<b>1 785</b>	<b>100</b>	<b>2 697</b>	<b>100</b>	<b>2 832</b>	<b>100</b>

Source: Calculated from Statistics Finland / National Accounts

# HOUSEHOLDS CONSUMPTION OF FOOD AND NON-ALCOHOLIC BEVERAGES

% of households' total expenditure



Source: Eurostat

## FOOD CONSUMPTION PER CAPITA IN FINLAND AND IN THE EU

<b>Consumption, kg/capita/year</b>	<b>2005</b>	<b>2011</b>	<b>2021</b>	<b>2022p</b>	<b>EU-27 <sup>1)</sup></b>
Grains, total	79	79	82	85	123
Meat, total	73	78	79	77	78
Beef	19	19	18	17	14
Pork	34	36	29	29	39
Poultry meat	16	18	29	28	23
Liquid milk products, total	188	182	137	130	190
Milk	143	134	99	93	..
Sour milk products	39	40	29	28	..
Cream (incl. sour cream products)	7	9	9	10	5
Butter	3	4	3	3	5
Vegetable oils	5	6	..	..	19
Cheese <sup>2)</sup>	17	21	26	26	..
Eggs	9	10	12	11	13
Sugar	32	30	28	31	34
Fruit	55	59	63	55	91
Vegetables <sup>3)</sup>	55	63	63	64	102
Fish (fillet/product weight)	14	15	16	15	18
Coffee (roasted)	10	10	9	9	5
Soft drinks	52	56	..	..	..
Beer <sup>4)</sup>	84	85	71	66	68
Wine <sup>4)</sup>	11	13	12	11	24
Spirits <sup>4)</sup>	7	5	4	4	..

Source: Kantar TNS Agri Ltd, Natural Resources Institute Finland / Balance Sheet for Food Commodities, FAOSTAT / Food Balance Sheet, Finnish Coffee Roasters Association, The Finnish Food and Drink Industries' Federation, Federation of The Brewing and Soft Drinks Industry

<sup>1)</sup> In 2020.

<sup>2)</sup> Includes also natural quark and cottage cheese.

<sup>3)</sup> The numbers for Finland include fresh vegetables. The number for EU is vegetables total.

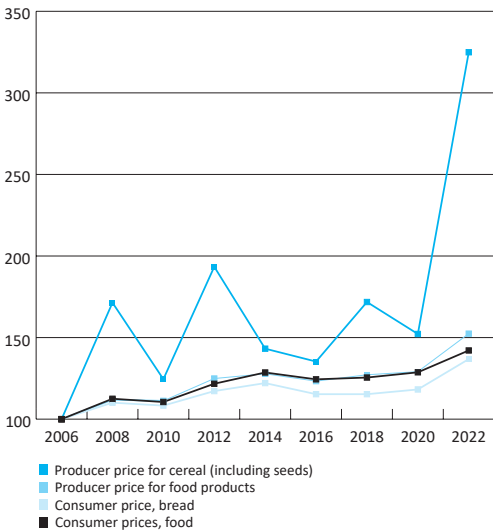
<sup>4)</sup> The numbers don't include private imports.

The numbers for Finland and EU are not directly comparable.



## REAL PRICE DEVELOPMENT OF FOOD IN FINLAND 2006–2022

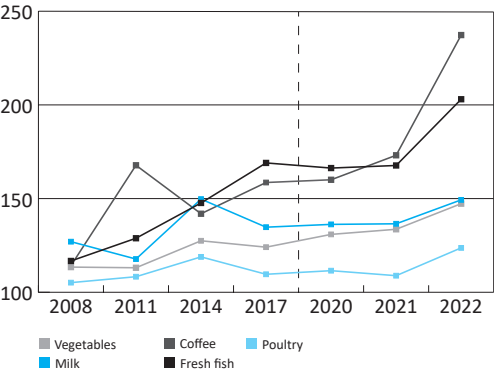
2006=100



Source: Statistics Finland

# REAL PRICE DEVELOPMENT OF SELECTED FOOD ITEMS

2005 = 100



Source: Statistics Finland / Consumer price index

PRICE INDEXES 2021 (EU27=100)

	Household consumption expenditure	Food and non-alcoholic beverages	Food and grain products	Meat and meat products	Fish and fish products	Milk, cheese and eggs	Fats and oils	Fruit, vegetables and potatoes	Other food-stuffs	Non-alcoholic beverages
The Netherlands	120.6	98.2	96.2	105.2	87.5	96.9	114.2	95.9	96.0	120.1
Belgium	114.9	105.8	105.2	120.0	107.3	97.9	108.1	98.0	101.3	111.5
Spain	98.7	98.0	97.4	91.2	91.1	101.5	93.5	95.8	110.1	104.4
Ireland	146.4	119.5	117.8	109.5	97.7	125.6	122.0	114.9	138.1	138.1
Italy	101.6	105.9	108.6	116.1	98.0	108.7	85.5	105.1	111.8	83.5
Austria	117.6	107.5	108.3	119.4	119.5	98.8	102.5	102.0	107.5	102.0
Greece	84.1	106.6	105.2	90.9	110.0	138.4	127.5	86.0	131.4	122.5
Luxembourg	153.1	125.4	127.0	140.0	112.7	128.6	118.4	127.1	121.4	115.4
Portugal	87.8	101.6	99.5	87.7	96.2	113.8	105.9	91.5	139.9	130.3
France	108.1	110.2	111.4	129.2	108.3	96.2	108.0	120.4	98.8	99.0
Sweden	138.4	118.0	116.5	116.3	120.0	107.9	125.3	120.1	120.4	132.6
Germany	108.5	104.6	105.5	115.6	120.9	98.0	95.5	111.3	94.6	99.6
<b>Finland</b>	129.3	113.8	112.1	106.7	109.6	111.3	113.5	115.5	112.3	130.9
Denmark	143.9	120.2	118.2	94.1	123.0	119.4	121.2	110.7	150.4	139.7
EU	100	100	100	100	100	100	100	100	100	100

Source: Kantar TNS Agri Ltd, Eurostat

## FOOD CHAIN

### Grocery stores

#### NUMBER OF SHOPS BY SHOP TYPE

Shop type	Total 1.1.2022	Total 1.1.2023
Hypermarkets	158	162
Department stores	88	89
Supermarkets, large	712	725
Supermarkets, small	518	527
Self-service shops, large	795	779
Self-service shops, small	277	269
Small shops	231	204
Specialty shops, market halls and online grocery shops <sup>1)</sup>	764	745
Discount stores, part of the convenience goods offering	382	421
Service station stores, part of the convenience goods offering	551	506
<b>Total</b>	<b>4 476</b>	<b>4 427</b>
Grocery buss / boat	8	5
Closed down	172	227

Source: NielsenIQ Convenience store register

<sup>1)</sup> Grocery shops operating online only.

## SALES OF CONSUMER GOODS BY SHOP TYPE

MEUR	2021	2022
Hypermarkets <sup>1)</sup>	6 222	6 469
Department stores	412	431
Supermarkets, large	7 901	8 279
Supermarkets, small	2 569	2 631
Self-service shops, large	2 183	2 145
Self-service shops, small	381	377
Small shops	168	153
Specialty shops, market halls and online grocery shops <sup>2)</sup>	301	345
Discount stores, part of the convenience goods offering	509	568
Service station stores, part of the convenience goods offering	148	135
<b>Total</b>	<b>20 795</b>	<b>21 533</b>
Grocery buss / boat	2	2
Closed down	69	101
<b>Total</b>	<b>20 866</b>	<b>21 636</b>

Source: NielsenIQ Convenience store register

<sup>1)</sup> Includes chains K-Citymarket, Prisma and Minimani.

<sup>2)</sup> Grocery shops operating online only.

## ONLINE GROCERY SHOPPING

	2018	2019	2020	2021	2022
Online grocery sales, MEUR	70	110	395	536	586
Online grocery's share of the grocery market, %	0.4	0.6	2	2.6	2.7

Source: NielsenIQ Convenience store register

The numbers include sales via domestic stores operating online only and sales via physical stores' online shops.

## GROCERY SHOP SALES

	2022	
	MEUR	%
Food items total	15 421	100
Milk products and eggs	2 564	18.8
Cereal products and bread	2 269	16.7
Meat	2 205	16.2
Vegetables	1 373	10.1
Fruits and berries	1 049	7.7
Others	4 154	30.5
Alcohol-free beverages	1 807	

Source: Finnish Grocery Trade Association

## MARKET SHARE OF ORGANIC FOOD BY PRODUCT CATEGORY 2022

	%
Baby foods	23
Eggs	16
Vegetable oils	14
Flakes and groats	12
Flours	8
Juice and fruit soups	8
Coffee, tea and cocoa	7
Fruits	6
Vegetables	3
Milk	4

Source: Finnish Organic Food Association Pro Luomu ry

In 2022, the market share of organic produce (€) in the Finnish grocery trade was around 2.2 %.

Source: Finnish Organic Food Association Pro Luomu ry

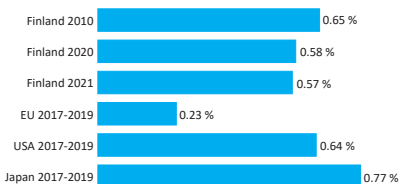
## FOOD MANUFACTURERS BY SECTOR

Sector	2000		2017		2020		2020
	< 20 people	≥ 20 people	< 20 people	≥ 20 people	< 20 people	≥ 20 people	organic %
Slaughter and meat processing	330	50	391	44	314	53	24
Fish processing	243	13	313	19	263	18	1
Processing of vegetables, berries and fruit	373	22	437	28	395	41	18
Dairy processing	108	42	87	24	84	23	5
Processing of cereal products	145	8	114	9	102	9	10
Bakeries	991	110	770	65	871	78	12
Production of beverages	85	14	105	11	150	12	5
Processing of other foodstuffs	330	48	389	53	422	58	24
<b>Total</b>	2 605	307	2 606	253	2 601	292	100 %
<b>All</b>	2 912		2 859		2 893		388 pcs

Source: Aitojamakuja.fi / Statistics

## THE SHARE OF FOOD INDUSTRY'S R&amp;D COSTS

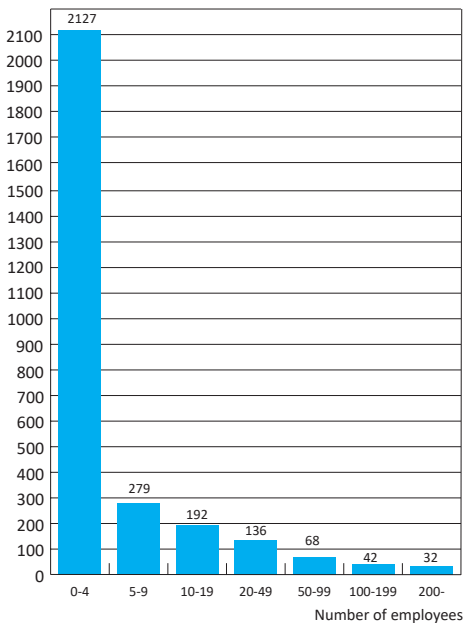
% of the gross value of production



Source: Statistics Finland, FoodDrinkEurope

## FOOD AND DRINK INDUSTRY PLANTS ACCORDING TO ENTERPRISE SIZE 2021

Plants



Source: Statistics Finland / Regional statistics on entrepreneurial activity

Food and drink industry is SME-based.



## FOOD INDUSTRY KEY SECTORS

Sector	Number of plants		Employees total <sup>1)</sup>		Turnover, 1 000 €		Turnover, 1 000 €/employee	
	2020	2021	2020	2021	2020	2021	2020	2021
Slaughter and meat processing	255	258	8 261	7 825	2 634 688	2 673 792	319	342
Fish, crustacean and mollusc processing	169	170	1 017	872	425 179	406 602	418	466
Processing and preserving of fruits and vegetables	229	241	2 068	2 024	637 597	667 662	308	330
Processing and preserving of potatoes	48	47	386	391	144 609	147 072	375	376
Manufacture of vegetable and animal oils and fats	21	20	163	154	87 836	84 965	540	553
Manufacture of dairy products	103	101	4 503	4 445	2 111 234	2 099 827	469	472
Manufacture of mill and starch products	88	90	856	1 051	424 697	538 886	496	513
Manufacture of bakery and farinaceous products	1 066	1 087	7 173	6 851	1 147 314	1 255 733	160	183
Manufacture of other food products, of which	451	487	6 060	5 818	1 892 975	1 808 383	312	311
Sugar	5	5	242	209	143 432	144 017	594	689
Cocoa, chocolate and confectionery	70	72	1 089	1 072	354 393	304 045	325	284
Tea and coffee	42	50	480	465	311 359	342 217	649	735
Prepared meals and dishes	100	104	2 129	2 177	453 691	475 916	213	219
Food preparations and dietetic food	12	15	351	342	150 917	158 090	429	463
Beverages	302	320	2 888	2 825	1 293 611	1 369 550	448	485
Alcoholic beverages <sup>2)</sup>	241	255	2 599	2 540	1 179 600	1 250 605	454	492
<b>Food industry, total</b>	<b>3 202</b>	<b>3 322</b>	<b>40 265</b>	<b>39 061</b>	<b>13 393 132</b>	<b>13 188 476</b>	<b>333</b>	<b>338</b>

Source: Statistics Finland / Regional statistics on entrepreneurial activity

<sup>1)</sup> Includes paid employees and entrepreneurs. Employees are converted to annual full-time employees so that, for example, an employee working half-time represents one half of a person and two employees working half-time for one year represent one annual full-time employee.

<sup>2)</sup> Distilling and mixing of alcoholic beverages: production of ethanol by fermentation as well as manufacture of cider and fruit and berry wines, other distilled fermented beverages and beer production.

# IMPORT AND EXPORT OF FOODSTUFFS

Product group	Import, MEUR			Change		Export, MEUR			Change	
	2015	2021	2022	21/22 %		2015	2021	2022	21/22 %	
<b>PROCESSED PRODUCTS</b>										
Beverages	452	492	555	13		161	173	204	18	
Alcoholic beverages <sup>1)</sup>	351	309	345	12		140	127	151	18	
Beer	39	35	38	9.2		14	11	18	56	
Soft drinks and mineral waters	50	138	160	15		7.3	33	34	3	
Juices	74	82	89	8		4.8	4.7	4.9	5	
Canola oil	6.9	16	28	72		5.3	6.8	5.8	-15	
Margarine	31	26	31	20		5.3	7.1	9.7	37	
Fruit preserves	78	76	95	26		3.1	2.4	5.7	133	
Vegetable preserves	70	90	105	17		4.3	3.3	2.8	-14	
Sugar and honey	53	82	85	4		96	94	103	10	
Sugarchemical products	3.8	5.5	11	103		76	86	96	12	
Honey	8.3	8.6	9	4		0.03	0.08	0.1	70	
Coffee (instant and roasted)	60	79	143	81		19	36	49	35	
Fish and crustacean products	130	117	139	19		5.1	10	7	-29	
Frozen fish products	30	27	40	50		7.7	15	12	-17	
Soups and tomato sauces	41	37	42	12		3.0	2.1	1.8	-15	
Babyfood	17	18	24	29		6.3	5.3	5.7	7	
Meat	325	282	349	24		123	173	192	11	
Pork	56	37	48	31		67	92	93	1	
Beef	63	72	86	20		11	25	35	39	
Poultry	31	23	31	34		13	11	13	24	
Dairy products	407	400	425	6		380	423	505	19	
Milk powder	2.7	4.0	4.5	13		81	121	166	37	
Cheese	281	270	315	16		59	48	49	2	
Butter, fats and oils from milk	3.7	4.1	5.0	22		116	123	164	34	

Malt	2.0	1.9	3.1	61	16	13	21	63
Frozen berries and vegetables	98	112	93	-17	29	31	37	17
Frozen potatoes	26	30	38	26	0.58	0.58	0.59	2
Flour and milling industry products	117	123	132	7	43	77	85	10
Rye flour	0.15	0.19	0.18	-2	0.47	0.17	0.12	-29
Animal feed products	351	371	460	24	53	107	136	27
Sweets	222	257	292	13	103	112	128	14
Chocolate	98	125	138	11	62	67	74	10
Starch products	97	66	84	28	11	14	23	72
<b>Processed products total <sup>2)</sup></b>	<b>3 257</b>	<b>3 396</b>	<b>3 853</b>	<b>13</b>	<b>1 239</b>	<b>1 507</b>	<b>1 748</b>	<b>16</b>
<b>AGRICULTURAL PRODUCTS</b>								
Tea	12	10	12	22	0.42	1.2	1.2	0
Raw coffee	223	168	272	62	30	7.7	44	471
Fruits	342	387	331	-14	3.3	7.2	6.8	-6
Birds' eggs	3.8	5.9	6.5	10	15	17	26	59
Fresh fish	183	309	447	45	19	151	254	68
Berries	17	45	40	-10	3.3	0.60	1.45	142
Blueberry	0.67	12	10	-22	0.77	0.23	0.26	11
Spices	13	20	20	3	10	8.8	12.8	45
Nuts	37	31	29	-6	0.49	0.56	0.58	5
Raw sugar	32	2.9	29.6	917	1.0	0.89	0.64	-29
Vegetables and potato	205	248	234	-6	5.0	7.4	10	42
Grains	35	50	137	175	147	100	82	-18
Oat	1.2	0.68	5.88	767	62	74	59	-20
<b>Agricultural products total <sup>2)</sup></b>	<b>1 170</b>	<b>1 389</b>	<b>1 704</b>	<b>23</b>	<b>235</b>	<b>303</b>	<b>437</b>	<b>44</b>

Source: Finnish Customs, Finnish Food and Drink Industries' Federation

<sup>1)</sup> Includes spirits and vinegar and vinegar substitutes made from acetic acid, in addition to weak and strong alcoholic beverages.

<sup>2)</sup> The sum of processed and agricultural products is the total value of exports and imports.

FOOD EXPORTS BY COUNTRY

Percentage of the total value of exports

2015	%	2021	%
Sweden	20.4	Sweden	18.8
Estonia	8.8	China	8.2
Russia	7.6	Estonia	7.6
Germany	5.1	Germany	6.5
the Netherlands	4.5	Russia	5.6
Denmark	3.4	Denmark	4.4
France	3.2	Poland	4.3
USA	3.0	France	4.0
China	2.7	Norway	3.4
Poland	2.4	the Netherlands	3.4
Others	38.9	Others	33.8
<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>

Source: Finnish Customs, Finnish Food and Drink Industries' Federation

2022	%
Sweden	17.8
Estonia	8.6
China	7.4
Germany	7.0
France	5.1
Poland	4.3
Denmark	4.3
Russia	4.1
Norway	3.4
The Netherlands	3.3
Others	34.7
<b>Total</b>	<b>100</b>

## FOOD EXPORTS BY COUNTRY AND PRODUCT GROUP 2022

China	€ thousand	EU	€ thousand	Other countries	€ thousand
Milk powder	104 016	Fish, fresh	260 307	Animal feed compounds	55 040
Other dairy products	24 270	Butter and other milk fats and oils		Pork	51 790
Other meat and animal parts	17 904	Milk powder	142 309	Alcoholic beverages	33 489
Pork	11 629	Alcoholic beverages	141 704	Raw materials for animal feeds	25 337
Frozen berries and fruits	3 324	Other dairy products	127 770	Milk powder	24 043
Baby foods, others	2 037	Chocolate	70 208	Butter and other milk fats	22 512
Other milling industry products	1 759	Oat	63 122	Cheese	20 473
Soft drinks and mineral waters	1 367	Animal feed compounds	50 287	Other milk products	20 160
Chocolate	568	Pork	42 631	Wheat	19 862
Other grain products	546	Other sweets	41 240	Other milling industry products	18 917
Alcoholic beverages	278	Coffee, roasted	37 509	Coffee, raw	16 671
Other	644	Other	37 399	Other	157 269
<b>Total</b>	<b>168 342</b>	<b>Total</b>	<b>1 438 460</b>	<b>Total</b>	<b>465 563</b>

Source: Finnish Customs, Finnish Food and Drink Industries' Federation

# NUMBER OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Farm size, ha of arable land	2005 Pcs	2021 <sup>1)</sup> Pcs	2022 <sup>1)</sup> Pcs	% of farms
0–5	5 228	1 315	1 182	3
5–10	8 765	6 138	5 974	14
10–15	8 481	4 632	4 551	10
15–25	13 989	7 199	6 972	16
25–50	19 660	10 339	9 872	23
50–75	7 549	5 658	5 469	13
75–100	3 116	3 339	3 334	8
100–150	1 990	3 398	3 387	8
150–	739	2 671	2 799	6
<b>Total</b>	<b>69 517</b>	<b>44 689</b>	<b>43 540</b>	<b>100</b>

Source: Natural Resources Institute Finland / Agricultural statistics

<sup>1)</sup> The definition of an agricultural and horticultural enterprise was revised. The numbers cannot be compared with numbers from previous years.

## OWNERSHIP OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Category	2005 Pcs	2021 <sup>2)</sup> Pcs	2022 <sup>2)</sup> Pcs	% of farms
Private individuals	61 477	38 149	37 082	85
Heirs and farming syndicates	7 297	4 959	4 828	11
State, communes etc.	743	1 581	1 630	4
<b>Total</b>	<b>69 517</b>	<b>44 689</b>	<b>43 540</b>	<b>100</b>
<b>Change from previous year</b>	..	-2.1 %	-2.6 %	

Source: Natural Resources Institute Finland / Agricultural statistics

<sup>1)</sup> Only farms with over 1 ha of arable land.<sup>2)</sup> The definition of an agricultural and horticultural enterprise was revised.  
The numbers cannot be compared with numbers from previous years.

## AGRICULTURAL LABOUR FORCE

Employed, 1 000 persons	2009	2021	2022
Entrepreneurs and their family members	70	55	51
of which women	23	13	13
Employees	18	21	17
of which women	9	9	8
<b>Total</b>	<b>88</b>	<b>76</b>	<b>68</b>

Source: Statistics Finland / Labour force survey

# SPECIALIZATION IN AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Number of farms	2010	2015	2021	2022	%
Milk production	10 205	7 729	5 015	4 584	11
Beef production	3 080	3 038	2 703	2 654	6
Other cattle husbandry <sup>1)</sup>	1 270	656	331	310	1
Pig husbandry	1 355	787	496	425	1
Poultry husbandry	375	454	449	402	1
Other grazing livestock <sup>2)</sup>	3 544	2 683	753	762	2
Cereal production	20 927	17 732	14 202	13 634	31
Other plant production	13 092	13 488	17 114	17 311	40
Greenhouse production	1 371	884	657	642	1
Outdoor horticultural production	1 696	1 471	1 259	1 327	3
Mixed production	2 568	2 078	1 710	1 489	3
<b>Total</b>	<b>59 483</b>	<b>51 000</b>	<b>44 689</b>	<b>43 540</b>	<b>100</b>

Source: Natural Resources Institute Finland / Agricultural statistics

<sup>1)</sup> Combined milk and beef production.

<sup>2)</sup> Includes sheep, goat and horse production until year 2015.

From year 2021 only sheep and goat production.

# INCOME OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES PER PRODUCTION SECTOR

	Taxable income total spouses together			Farm economy's income spouses together		
	2000 €	2020 €	2021 €	2000 €	2020 €	2021 €
Milk production	31 746	65 707	69 609	24 812	49 868	52 912
Beef production etc.	30 129	71 868	79 155	15 878	35 587	37 855
Pig husbandry	41 644	78 096	84 194	28 421	50 590	51 879
Poultry husbandry	45 752	99 700	133 134	28 624	66 408	61 259
Sheep, goats, horses	29 434	65 209	60 121	3 704	12 373	14 220
Cereal production	38 623	70 456	77 712	10 999	17 833	20 846
Other plant production	35 760	63 069	68 638	11 695	17 436	19 084
Other production	28 901	62 571	76 033	6 524	15 883	18 089
<b>Average</b>	<b>35 235</b>	<b>68 216</b>	<b>72 495</b>	<b>16 324</b>	<b>24 078</b>	<b>34 518</b>

Source: Statistics Finland / Statistics on the finances of agricultural and forestry enterprises



## AGRICULTURAL PRODUCTION COSTS

	2002 MEUR	2005 MEUR	2020 MEUR	2021 MEUR
<b>Material costs</b>	1 572	1 569	2 284	2 233
Fertilizers and lime	194	186	252	233
Other crop production costs	256	309	487	498
Fuels	176	209	297	287
Electricity	117	115	255	229
Forage costs	516	438	583	602
Livestock costs	313	322	409	383
<b>Farm operating costs <sup>1)</sup></b>	368	312	463	468
<b>Machinery costs</b>	844	875	1 200	1 130
Depreciation of machines	502	543	586	573
Other machinery costs	342	332	613	557
<b>Building costs</b>	316	317	406	398
Depreciation of buildings	256	258	329	323
Other building costs	60	58	78	75
<b>Other costs</b>	693	731	1 087	1 031
Insurances	241	255	316	301
Fixed rents	102	101	203	181
Other depreciations	45	46	51	50
Other costs	305	328	517	499
<b>Labour costs</b>	1 835	1 775	1 377	1 354
Wages paid	166	185	384	393
Wage claim	1 669	1 590	993	961
<b>Interest costs</b>	597	621	599	557
Interests paid	127	112	112	110
Interest claim of equity	470	509	487	447
<b>Total costs</b>	6 226	6 199	7 416	7 172

Source: Natural Resources Institute Finland Economydoctor / Total Calculation of Agriculture

<sup>1)</sup> Costs of feedstuff and seeds produced and used on the farm.

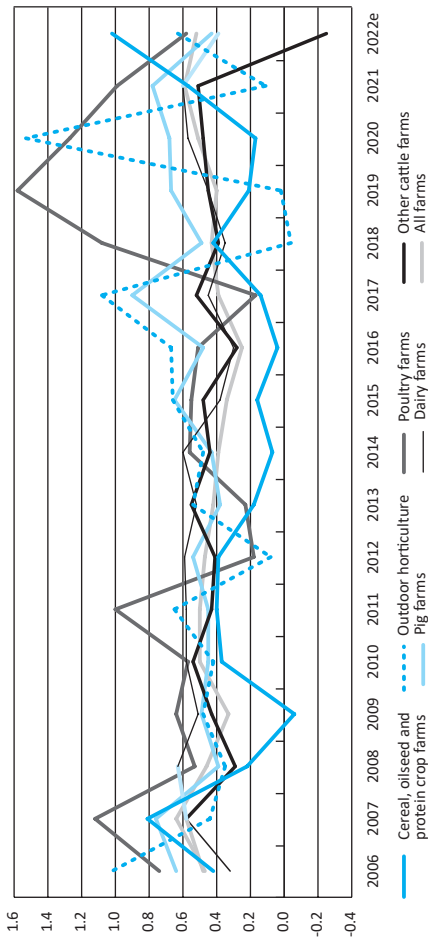
## AGRICULTURAL GROSS RETURN

<b>Income from</b>	<b>2002 MEUR</b>	<b>2005 MEUR</b>	<b>2020 MEUR</b>	<b>2021 MEUR</b>
Crop revenues	814	671	1 171	1 294
Rye and wheat	86	72	154	215
Barley	158	158	229	297
Oats and other cereals	148	82	232	240
Oilseeds	20	20	22	34
Grass crops	239	213	403	362
Potato and sugar beet	140	110	90	93
Pulses and other crops	23	15	40	52
Livestock revenues	1 808	1 652	2 043	1 909
Cattle	1 243	1 097	1 293	1 260
Pig	348	348	253	308
Poultry	212	175	447	312
Sheep, goat and horse revenues	5	5	50	29
Greenhouse and outdoor horticultural revenues	464	523	1 217	1 101
Financial yields	17	13	16	18
Other income	155	170	244	230
Subsidies total	1 846	1 922	1 925	1 876
<b>Gross return total</b>	<b>5 104</b>	<b>4 924</b>	<b>6 615</b>	<b>6 428</b>

Source: Natural Resources Institute Finland Economydoctor / Total Calculation of Agriculture

The value of feedstuff and seeds produced and used on the farm is included in the calculation.

# PROFITABILITY COEFFICIENT ON THE FINNISH FARMS 2006–2022p



Source: Natural Resources Institute Finland Economydoctor / Agriculture and Horticulture

## ENTREPRENEURIAL INCOME

	2000 MEUR	2010 MEUR	2015 MEUR	2021 MEUR	2022p MEUR
Entrepreneurial income (farm net income)	1 114	932	459	667	488

Source: Natural Resources Institute Finland Economydoctor / Total Calculation of Agriculture

## PRODUCER PRICES

		2005	2021	2022	Change 21/22 %
<b>Milk</b>	c/ltr				
producer price <sup>1)</sup>		31.5	33.18	..	..
adjustment payment		2.2	2.0	1.8	-15
<b>Meat</b>	€/kg				
beef		2.1	3.21	3.84	16
organic beef		..	3.64	4.14	12
pork		1.3	1.55	1.96	21
broiler		1.1	1.32	1.69	22
lamb		2.6	4.37	5.26	17
organic lamb		..	4.63	5.63	18
<b>Eggs</b>	€/kg	0.6	1.07	1.36	22
organic eggs		1.8	2.48	2.57	4
<b>Grain and vegetables</b>					
bread wheat <sup>2)</sup>	€/tn	106	214	333	36
rye <sup>2)</sup>	€/tn	118	167	293	43
oats <sup>2)</sup>	€/tn	87	173	310	44
feed barley <sup>2)</sup>	€/tn	100	190	308	38
malting barley <sup>2)</sup>	€/tn	115	205	351	42
turnip rape and rape <sup>2)</sup>	€/tn	200	485	644	25
food potatoes <sup>3)</sup>	€/100 kg	..	18	21	10
cucumber <sup>4)</sup>	€/kg	0.99	1.72	2.12	19
tomato <sup>4)</sup>	€/kg	1.16	2.73	3.15	13
apple <sup>4)</sup>	€/kg	0.87	1.65	1.74	5

Source: Natural Resources Institute Finland / Agricultural statistics, Kasvistiето Oy

<sup>1)</sup> Price for class I milk, which contains 4.3 % fat and 3.3 % protein, without production aid.

<sup>2)</sup> Basic price paid to farmers, including transport to the first reception point.

<sup>3)</sup> Price paid to farmers per 100 kg net, delivered to the packaging facilities. Does not include early potatoes.

<sup>4)</sup> Prices for class I Finnish vegetables, packaged and unpackaged in different ways, delivered from the packaging station to the wholesaler's pier.

## SUBSTITUTING FOR AGRICULTURAL ENTREPRENEURS

	2000	2005	2021	2022
MYEL <sup>1)</sup> -insured agricultural entrepreneurs	105 993	90 007	52 012	50 248
Using annual leave <sup>2)</sup>	45 254	34 719	13 301	12 467
Using substitutes	14 934	14 624	4 044	4 108
Using substituting subject to subsidised charge	10 995	13 521	6 551	6 137
Using substituting subject to total charge	643	314	187	150

Source: The Farmers' Social Insurance Institution Mela

<sup>1)</sup> TYEL employee's pension insurance for farmers, forest owners, fishermen and reindeer herders and their families.

<sup>2)</sup> To receive annual leave, a farmer must have at least four domestic animal units, and they must be a full-time agricultural entrepreneur.

## AVERAGE AGE AND NUMBER OF AGRICULTURAL ENTREPRENEURS

	2005		2021		2022	
	aver. age	number	aver. age	number	aver. age	number
Agricultural entrepreneurs	48	90 000	50	52 000	50	50 000
New entrepreneurs	30	760 <sup>1)</sup>	36	1 200	36	1 100
Retiring entrepren. <sup>2)</sup>	61	3 900	64	2 400	63	2 500

Source: Farmers' Social Insurance Institution Mela / Statistics based on data on agricultural entrepreneurs covered by insurance under the Farmers' Pensions Act (MYEL)

<sup>1)</sup> Entrepreneurs taking up farming through succession within the farmers' early retirement aid scheme.

<sup>2)</sup> Covering those retiring on old-age, disability and unemployment pension.

## MOST IMPORTANT REASONS FOR RETIREMENT ON DISABILITY PENSION AMONG AGRICULTURAL ENTREPRENEURS

Share of the entire year's disability pensions among agricultural entrepreneurs, %	2005	2021	2022
Respiratory diseases	3	1	2
Mental illnesses	20	29	28
Musculoskeletal disorders	47	41	38
Injuries, poisonings, etc.	9	6	8
Cardiovascular diseases	8	5	6
Tumours	..	10	9
Nervous system disorders	..	8	9

Source: Farmers' Social Insurance Institution Mela

## FISHERY CATCH

Catch, 1 000 kg	Commercial		Recreational	
	Marine	Inland	Marine	Inland
<b>Baltic herring</b>				
2005	66 457	0	520	0
2015	131 444	0	271	0
2021	76 726	-	890	-
<b>Vendace <sup>1)</sup></b>				
2005	151	2 533	26	1 890
2015	200	2 805	36	1 079
2021	376	1 995	7	2 627
<b>European whitefish</b>				
2005	765	208	357	1 573
2015	570	101	339	718
2021	329	152	415	1 155
<b>Salmon</b>				
2005	461	8	103	231
2015	192	1	62	308
2021	181	19	92	203
<b>Rainbow trout</b>				
2005	17	0	43	559
2015	2	0	15	359
2021	6	-	18	359
<b>Perch</b>				
2005	860	498	2 556	9 190
2015	726	308	1 786	6 582
2021	741	266	2 304	9 115
<b>Pikeperch</b>				
2005	440	99	383	1 883
2015	295	444	366	2 981
2021	156	926	320	2 428

Source: Natural Resources Institute Finland / Fishery and Game Statistics

<sup>1)</sup>The consumption of vendace has been recorded in fillet weight from 2019, and before that in gutted weight.

## INCOME OF FISHING INDUSTRY

	2008 MEUR	2013 MEUR	2019 MEUR	2020 MEUR
Commercial marine fishery	29	45	37	34
Commercial inland fishery	..	..	12	13
Aquaculture	51	65	78	76
Fish processing <sup>1)</sup>	160	358	404	416
Fish wholesale trade <sup>1)</sup>	222	282	314	228
Fish retail trade <sup>1)</sup>	117	169	98	72

Source: Natural Resources Institute Finland / Fishery and Game Statistics

<sup>1)</sup> Includes enterprises the turnover of which exceeded around EUR 10 000 / year.

## FISH FARMS

Pcs	2005	2010	2020	2021
<b>Sea, total <sup>1)</sup></b>	154	128	121	118
Food fish farms	149	116	100	98
Fry farms	11	15	25	29
Natural food ponds farmers	0	0	0	0
<b>Inland, total <sup>1)</sup></b>	394	357	254	245
Food fish farms	69	62	49	49
Fry farms	91	80	73	75
Natural food ponds farmers	286	213	149	142
<b>Total <sup>1)</sup></b>	548	485	375	363
Food fish farms	218	178	149	147
Fry farms	102	95	98	104
Natural food ponds farmers	286	213	149	142

Source: Natural Resources Institute Finland / Fishery and Game Statistics

<sup>1)</sup> Some enterprises have more than one production line.

## FISHERMEN

	1998	2008	2020	2021
<b>Registered commercial inland fishermen</b>	..	..	1 637	1 751
Group 1	..	..	326	342
Group 2	..	..	1 311	1 409
Active group 1	..	..	318	314
Active group 2	..	..	802	980
<b>Registered commercial marine fishermen</b>	2 948	2 079	2 276	2 357
Group 1	1 071	667	399	420
Group 2	1 877	1 412	1 877	1 937
<b>Recreational fishermen</b>	2 057 000	1 780 000	1 475 000	1 475 000 <sup>1)</sup>

Source: Natural Resources Institute Finland / Fishery and Game Statistics

<sup>1)</sup> Year 2020.

Group 1: 1997–2015: At least 30 % of income from fishing. 2016–: The average turnover for fishing during the past three accounting periods > EUR 10 000.

Group 2: All other registered commercial fishermen.

# BREAD GRAIN

	2005	2021	2022p
<b>Wheat</b>			
Total yield, M kg	801	678	853
First grade product, % <sup>1)</sup>	32	34	49
Imports, M kg	146	251	336
Exports, M kg	64	86	85
Consumption as food, M kg <sup>2)</sup>	259	250	271
Annual consumption, kg/person	49	45	49
<b>Rye</b>			
Total yield, M kg	32	67	65
First grade product, % <sup>3)</sup>	28	94	90
Imports, M kg	82	3,7	12
Exports, M kg	16	14	9
Consumption as food, M kg <sup>2)</sup>	80	79	75
Annual consumption, kg/person	15	14	13
<b>Oat</b>			
Total yield, M kg	1 073	790	1 203
First grade product, % <sup>3)</sup>	15	11	20
Imports, M kg	0.2	2.1	15
Exports, M kg	326	420	283
Consumption as food, M kg <sup>2)</sup>	22	56	60
Annual consumption, kg/person	4	10	11

Source: Natural Resources Institute Finland / Balance Sheet for Food Commodities and Crop Production Statistics

<sup>1)</sup> Hectolitre weight  $\geq 78.0$  kg, falling number  $\geq 180$ , protein (N\*5.7)  $\geq 12.5$  %.

<sup>2)</sup> Consumption of ground grains expressed in flour weight.

<sup>3)</sup> Falling number rye  $\geq 120$ , hectolitre weight rye  $\geq 71.0$  kg, oat  $\geq 58$  kg.



## VEGETABLES AND FRUITS

1 000 kg	2002	2010	2021	2022p
<b>Potato</b>				
production	780 100	659 100	558 800	561 700
of which organic	..	..	11 000	9 500
exports	11 295	55 951	9 393	23 423
imports	6 716	14 299	8 621	10 909
domestic utilisation, total	..	663 500	580 300	535 000
<b>Tomato</b>				
production	..	39 200	37 988	6 953
of which organic	..	..	826	906
exports	351	174	469	455
imports	17 903	22 479	25 310	24 453
domestic utilisation, total	..	61 500	62 800	58 100
<b>Onions</b>				
production	..	..	29 298	30 403
of which organic	..	372	318	549
exports	162	118	35	375
imports	9 340	8 587	17 023	28 921
<b>Peas</b>				
production	11 100	13 400	42 600	92 200
exports	..	800	1 800	1 400
imports	..	5 100	11 500	13 700
domestic utilisation, total	..	17 700	52 300	104 500
<b>Turnip rape and rape</b>				
production	102 900	178 500	41 200	56 600
exports	..	55	22	52 504
imports	72 773	112 840	111 373	100 880
domestic utilisation, total	..	291 300	152 600	157 400
<b>Citrus fruits</b>				
exports	125	106	380	508
imports	68 734	69 619	76 668	66 461
domestic utilisation, total	..	69 500	76 300	66 000
<b>Apple</b>				
production	..	..	7 930	7 011
of which organic	..	29	151	78
exports	75	20	77	77
imports	46 468	47 822	32 759	28 732
<b>Berries</b>				
production	..	..	19 942	19 977
of which organic	..	296	728	669
exports	..	8 800	12 000	15 700
imports	..	17 300	28 000	31 800

Source: Natural Resources Institute Finland / Horticultural Statistics, Crop Production Statistics and Balance Sheet for Food Commodities, Finnish Customs

## FISH CONSUMPTION

Kg/person	2000	2010	2020	2021
<b>Domestic fish</b>				
Farmed rainbow trout	1.6	1.1	1.5	1.4
Baltic herring	1.2	0.3	0.4	0.4
Pike	0.7	0.6	0.5	0.5
European perch	0.7	0.5	0.7	0.7
Vendace	0.7	0.7	0.4	0.4
European whitefish	0.4	0.3	0.3	0.3
Pikeperch	0.2	0.3	0.3	0.3
Other domestic fish	0.6	0.5	0.4	0.4
<b>Domestic fish, total</b>	<b>6.1</b>	<b>4.3</b>	<b>4.4</b>	<b>4.2</b>
<b>Imported fish</b>				
Farmed rainbow trout	0.3	0.8	0.3	0.2
Farmed salmon	0.9	3.1	3.9	3.4
Tuna (preserved and prepared)	1.2	1.7	1.6	1.4
Saithe (frozen fillets)	0.6	0.5	0.3	0.3
Shrimps	0.4	0.7	0.4	0.5
Herring and Baltic herring (preserved)	0.5	0.5	0.5	0.5
Other imported fish	2.3	2.9	2.2	2.1
<b>Imported fish, total</b>	<b>6.2</b>	<b>10.2</b>	<b>9.3</b>	<b>8.3</b>

Source: Natural Resources Institute Finland / Fish Consumption

Domestic fish is shown as fillet weight (kg/person). The imported fish is shown as product weight. Imported freshwater fish (e.g. European whitefish, pikeperch) included in group 'other imported fish'.

## MILK PRODUCTS AND EDIBLE FATS

	2005	2021	2022
<b>Milk, M litres</b>			
yield	2 362	2 247	2 193
litres/cow	7 505	8 762	8 721
received at dairies	2 293	2 206	2 151
consumption (milk and liquid milk products), M l	965	777	749
<b>Butter, M kg</b>			
production	50	49	47
consumption	14	17	17
exports	37	34	30
<b>Cheese, M kg <sup>1)</sup></b>			
production	97	84	82
consumption	98	143	140
exports	37	13	10
<b>Milk powder, exports, M kg</b>	<b>15</b>	<b>48</b>	<b>45</b>

Source: Kantar TNS Agri Ltd, Natural Resources Institute Finland / Balance Sheet for Food Commodities, Finnish Customs

<sup>1)</sup> Includes also natural quark and cottage cheese.

## MEAT

M kg	2005	2021	2022p
<b>Pork</b>			
production	204	176	170
consumption	176	160	160
exports	40	37	24
imports	15	24	25
<b>Beef and veal</b>			
production	87	86	85
consumption	98	102	95
exports	2	6	7
imports	14	22	20
<b>Poultry meat</b>			
production	87	147	147
consumption	84	158	158
exports	10	16	13
imports	7	22	23
<b>Mutton</b>			
production	0.6	1.3	1.3
consumption	1.9	2.9	2.7
imports	1.4	1.6	1.4
<b>Horse meat</b>			
production	0.1	0.2	0.2
consumption	1.2	1.2	1.5
imports	1.2	1.1	1.3
<b>Reindeer meat</b>			
production <sup>1)</sup>	2.9	1.4	1.6
consumption	3.1	1.9	2.1
exports	0.04	0.1	0.2
imports	0.2	0.6	0.7
<b>Meat, total</b>			
production	382	412	405
consumption	364	426	419
exports	52	59	44
imports	39	71	72
<b>Edible offals</b>			
exports	7.1	18	18
imports	0.1	2.1	2.3

Source: Natural Resources Institute Finland / Balance Sheet for Food Commodities, The Reindeer Herders' Association

<sup>1)</sup> Statistics are compiled for the reindeer husbandry year, from June 1st to May 31st.

Amount of meat expressed as carcass meat, incl. bones and spoilage. Amount of consumed meat is approx. half of carcass weight.

## EGGS

M kg	2005	2021	2022p
production	58	78	76
consumption	49	66	62
exports	11	13	17

Source: Natural Resources Institute Finland / Balance Sheet for Food Commodities

## BERRIES AND MUSHROOMS

<b>Total crops of garden berries, M kg</b>	<b>2005</b>	<b>2010</b>	<b>2021</b>	<b>2022</b>
Strawberry	10.1	10.3	16.2	15.9
of which organic	..	0.2	0.4	0.3
Black- and greencurrant	1.8	1.0	1.3	1.6
Red- and whitecurrant	0.5	0.4	0.3	0.4
Raspberry	0.6	0.5	1.5	1.5
of which organic	..	0.01	0.02	0.01
Gooseberry	0.03	0.06	0.05	0.07
<b>Total</b>	<b>13.1</b>	<b>12.5</b>	<b>19.9</b>	<b>19.8</b>
<b>Supply of wild berries, 1 000 kg</b>				
Blueberry	3 111	2 780	5 292	9 360
of which organic	..	1 036	2 944	4 264
Lingonberry	8 544	6 057	10 651	8 295
of which organic	..	1 232	1 762	1 442
Cloudberry	321	152	232	269
of which organic	..	1	118	170
Other wild berries	51	108	47	43
<b>Total</b>	<b>12 027</b>	<b>9 097</b>	<b>16 224</b>	<b>17 968</b>
<b>Supply of wild mushrooms, 1 000 kg <sup>1)</sup></b>				
Chanterelle	16	5	15	36
Cep	181	747	672	41
Milk caps	152	99	79	6
Other wild mushrooms	77	4	35	31
<b>Total</b>	<b>426</b>	<b>855</b>	<b>802</b>	<b>113</b>

Source: Natural Resources Institute Finland / Horticultural Statistics, Finnish Food Authority, Kantar TNS Agri Ltd

<sup>1)</sup> Fresh weight.

The numbers do not include direct sales to consumers and catering or gathering for own use.

## GAME

## Game catch by number and meat quantity

Number	2006	2010	2021	2022
Hares	268 800	248 200	163 200	168 600
Moose	75 587	68 423	42 484	37 055
Deer <sup>1)</sup>	25 777	29 113	94 934	87 497
Wild boar	3	100	1 413	1 053
Waterfowl	586 000	533 800	288 900	238 200
Grouse	459 200	306 200	226 400	236 700
Other game birds	245 400	278 000	288 900	271 100
<b>Total <sup>2)</sup></b>	<b>1 664 867</b>	<b>1 470 315</b>	<b>1 110 400</b>	<b>1 044 000</b>
<b>Quantity, 1 000 kg</b>				
Hares	525	501	337	346
Moose	10 018	9 124	5 769	5 003
Deer <sup>1)</sup>	1 086	1 227	3 838	3 571
Wild boar	0	8	113	84
Waterfowl	327	305	163	146
Grouse	308	204	162	174
Other game birds	84	97	95	85
<b>Total <sup>2)</sup></b>	<b>12 400</b>	<b>11 559</b>	<b>10 553</b>	<b>9 467</b>

Source: Natural Resources Institute Finland / Hunting

<sup>1)</sup> White-tailed deer, Finnish forest reindeer, fallow deer and roe deer.<sup>2)</sup> Totals include also bears and beavers.

**BEEKEEPING FIGURES**

	<b>2021</b>	<b>2022</b>
The Finnish Beekeepers' Association members	2 555	2 441
Professional beekeepers <sup>1)</sup>	82	81
Organic beekeepers	69	60
Number of productive beehives	85 500	68 800
Number of organic beehives	4 820	4 618
Yield per beehive, kg	41	48
Honey production, tonnes	3 055	3 300
Imported honey, tonnes	2 100	1 900
Honey consumption, tonnes	4 500	4 600
Honey consumption, g/person	800	826
Winter beehive losses <sup>2)</sup> , %	13	19

Source: The Finnish Beekeepers' Association, Natural Resources Institute Finland / Balance Sheet for Food Commodities

<sup>1)</sup> Beekeepers with more than 100 hives according to hive grant statistics.

<sup>2)</sup> Percentage of bees that died during the winter.

## CROP

	2005	2021	2022
<b>Wheat</b>			
area 1 000 ha	215	212	224
total yield M kg	801	678	853
yield kg/ha	3 730	3 190	3 800
<b>Rye</b>			
area 1 000 ha	14	18	19
total yield M kg	32	67	65
yield kg/ha	2 290	3 680	3 380
<b>Barley</b>			
area 1 000 ha	594	388	380
total yield M kg	2 103	1 032	1 451
yield kg/ha	3 540	2 660	3 820
<b>Oats</b>			
area 1 000 ha	345	314	329
total yield M kg	1 073	790	1 203
yield kg/ha	3 110	2 510	3 660
<b>Sugar beet</b>			
area 1 000 ha	31	11	9
total yield M kg	1 181	403	380
yield kg/ha	37 870	35 570	43 110
<b>Rape and turnip rape</b>			
area 1 000 ha	77	34	41
total yield M kg	106	41	57
yield kg/ha	1 380	1 200	1 370
<b>Peas</b>			
area 1 000 ha	4	20	31
total yield M kg	8	43	92,2
yield kg/ha	93	2 170	2 980
<b>Broad bean</b>			
area 1 000 ha	9 <sup>1)</sup>	9	10
total yield M kg	16 <sup>1)</sup>	12	19,2
yield kg/ha	1 720 <sup>1)</sup>	1 300	1 900
<b>Potatoes</b>			
area 1 000 ha	29	20	20
total yield M kg	743	559	562
yield kg/ha	25 700	27 480	28 080
<b>Carrots, M kg</b>	67	76	76
<b>Caraway, M kg</b>	9 <sup>1)</sup>	15	8
<b>Greenhouse cucumber, M kg</b>	32	53	50
<b>Potted vegetables, M pcs</b>	64	110	96

Source: Natural Resources Institute Finland / Crop Production and Horticultural Statistics

<sup>1)</sup> Year 2010.

## USE OF ARABLE LAND

Area, 1000 ha	2005	2013 <sup>1)</sup>	2021 <sup>1)</sup>	2022 <sup>1)</sup>
Grassland	620	650	798	796
Grains, total	1 188	1 179	1 062	1 062
Wheat	215	231	217	230
Rye	14	12	18	20
Barley	595	429	448	533
Oats	346	367	332	336
Mixed grains	16	33	41	43
Other grains	1.1	2.2	4.6	3.6
Turnip rape and rape	77	53	38	43
Sugar beet	31	12	11	8.8
Peas	3.8	4	23	34
Broad bean	..	7	12	11
Potatoes	29	22	20	20
Other crops	49	141	171	175
<b>Cultivated area, total</b>	<b>1 993</b>	<b>1 969</b>	<b>2 030</b>	<b>2 033</b>
Fallow	241	254	213	207
<b>Cultivated area and fallow, total</b>	<b>2 235</b>	<b>2 223</b>	<b>2 243</b>	<b>2 241</b>

Source: Natural Resources Institute Finland / Agricultural Statistics

<sup>1)</sup> Includes only enterprises that exceed the economic threshold value (SO 2 000 EUR).

Area, ha	2005	2013	2021	2022
Arable land per farm, average	33	42	51	52

Source: Natural Resources Institute Finland / Agricultural Statistics



## SALES VOLUMES OF PLANT PROTECTION PRODUCTS

Sales, tonnes	2005	2010	2020	2021
<b>Active substances</b>				
Fungicides	255	149	145	127
Insecticides	47	34	25	26
Herbicides	1 077	1 515	1 176	1 033
Plant growth regulators	52	49	38	49
<b>Products</b>				
Fungicides	718	607	553	577
Insecticides	147	232	143	238
Herbicides	2 639	3 833	2 793	2 843
Plant growth regulators	107	95	115	120

Source: Finnish Safety and Chemicals Agency, Eurostat

## ORGANIC PRODUCTION AREA AND NUMBER OF ORGANIC FARMS

Area, ha	2005	2010	2021	2022
Certified organic area	135 223	142 823	290 093	307 886
In-conversion area	12 364	28 053	37 643	31 573
Total organically farmed area	147 588	170 876	327 736	339 460
Percentage of organically farmed area of the total area of production, %	6.7	7.5	14.4	15.0
Organic farm size, ha/farm	34	43	67	70
Organic farms, number	4 296	3 939	4 911	4 857
Total organically farmed area EU-27	6 475 828	7 765 000 <sup>1)</sup>	14 719 036 <sup>2)</sup>	..
Percentage of organically farmed area of the total area of production EU-27, %	3.6	4.1 <sup>1)</sup>	9.1 <sup>2)</sup>	..

Source: Finnish Food Authority, Eurostat

<sup>1)</sup> Year 2008.<sup>2)</sup> Year 2020.

## NUMBER OF ORGANIC PRODUCERS

	2008	2011	2021	2022
Organic primary production <sup>1)</sup>	3 758	3 975	4 879	4 818
of which organic animal farms	511	643	1 148	1 145
Organic foodstuff producers	401	487	828 <sup>2)</sup>	765 <sup>2)</sup>
Organic feedstuff producers	16	33	41	41
Organic seed packing plants	..	31	33	34
<b>Total</b>	<b>4 175</b>	<b>4 526</b>	<b>5 957</b>	<b>6 038</b>

Source: Finnish Food Authority

<sup>1)</sup> Includes, in addition to farms, also greenhouses, mushroom farms and beekeepers.<sup>2)</sup> Includes subcontractors.

## ORGANIC PRODUCTION

	2007 M kg	% of total produc- tion	2021 M kg	% of total produc- tion	2022 M kg	% of total produc- tion
Beef	..	..	3.5	4.0	3.4	4.0
Pork	..	..	0.8	0.4	0.7	0.4
Lamb	..	..	0.3	24.2	0.3	22.7
Eggs	1.1	2.0	5.3	6.8	6.3	8.3
Wheat	9.7	1.2	18.3	2.7	22.3	2.6
Rye	8.5	9.8	10.1	15.1	9.3	14.3
Oats	41.0	3.4	58.2	7.4	107	8.9
Potato	3.7	0.5	11.0	2.0	9.5	1.7
Peas	1.2	11.5	5.0	11.7	8	8.7
Broad bean	..	..	1.7	14.2	3	15.6
Milk, M litres	26.8	1.2	80.9	3.7	80.7	3.8

Source: Natural Resources Institute Finland / Agricultural Statistics

## USE OF ARABLE LAND ON ORGANIC FARMS

<b>Certified organic area, ha</b>	<b>2005</b>	<b>2015</b>	<b>2021</b>	<b>2022</b>
Grassland	60 195	114 050	177 232	184 677
Cereals, total	46 362	50 640	79 691	86 855
Wheat	6 629	5 655	9 541	9 407
Rye	4 594	5 413	5 161	4 853
Barley	6 760	5 199	8 237	8 898
Oats	23 134	24 241	41 457	47 358
Mixed: straw grains	2 798	3 052	4 330	4 101
Mixed: legumes and straw grains	1 842	6 768	10 095	10 591
Peas	1 289	2 697	4 200	5 312
Buckwheat	185	432	286	422
Broad bean	..	2 809	2 852	2 886
Caraway	355	148	404	269
Flax	277	151	48	52
Turnip rape	2 419	2 589	4 196	4 959
Potatoes	440	544	652	663
Vegetables, open land	211	241	1 002	1 130
Greenhouse vegetables	9	8	10	8
Leafherbs	16	12	13	95
Berries and fruits	800	650	890	919
Fallow	19 178	3 927	3 464	5 517
<b>Total</b>	<b>135 223</b>	<b>191 460</b>	<b>290 093</b>	<b>307 886</b>

Source: Finnish Food Authority

Numbers for the traditional use of arable land are on page 38.

## AVERAGE NUMBER OF ANIMALS ON FARMS

Animals, pcs/farm	2005	2015	2021	2022
Pigs	454	929	1 282	1 329
Cattle	45	74	96	102
Poultry	5 474	9 868	25 013	14 357

Source: Calculated from Natural Resources Institute Finland / Number of Livestock

## LIVESTOCK DENSITY INDEX

Livestock density index <sup>1)</sup>	2010	2016	2020
Finland	0.47	0.49	0.42
EU-27	0.75	0.77	0.75

Source: Eurostat

<sup>1)</sup> Number of livestock units per hectare of utilised agricultural area.

## LIVESTOCK

Livestock, in thousands	2005	2021	2022
<b>Horses</b>	64	74	72
<b>Cattle</b>	959	844	834
Dairy cows	319	254	248
Suckler cows	35	64	65
<b>Sheep <sup>1)</sup></b>	87	131	132
Ewes	52	67	68
Other sheep	35	64	64
<b>Pigs <sup>2)</sup></b>	1 401	1 108	1 061
Sows	177	82	75
Fattening pigs	460	504	477
Piglets	451	504	493
<b>Poultry <sup>3)</sup></b>	10 538	13 832	14 356
Hens	3 128	3 729	3 866
Broilers	5 472	8 499	8 901
Turkeys	495	287	283
<b>Goats</b>	7	6	6
<b>Reindeer <sup>4)</sup></b>	207	178	178

Source: Natural Resources Institute Finland / Agricultural Statistics, The National Equine Competence Association of Finland Hippolis, The Reindeer Herders' Association

<sup>1)</sup> From 2015 onwards, the number of sheep is not directly comparable to the previous years.

<sup>2)</sup> The definitions of pigs changed from 2015. Only class 'Pigs' is comparable to previous years.

<sup>3)</sup> From 2016 onwards, the number of poultry is not directly comparable to the previous years.

<sup>4)</sup> Living reindeer over 1 year old and calves.

## HENNERIES

	2010	2021	2022
<b>Henneries type</b>	<b>% of egg production</b>		
Enriched cage	89	42	28
Floor	9	47	61
Outdoor <sup>1)</sup>	..	3	4
Organic	2	8	7

Source: Finnish Poultry Association

<sup>1)</sup> Before 2018 outdoor henneries were compiled as part of floor henneries.BARN TYPES IN MILK RECORDING HERDS <sup>1)</sup> 2022

	<b>Number of barns</b>	<b>%</b>	<b>Cows</b>	<b>%</b>	<b>Average number of cows/farm</b>
Tie stall barn	1 715	52	49 854	27	29
Free stall barn	1 592	48	135 341	73	85
<b>Total</b>	<b>3 307</b>	<b>100</b>	<b>185 195</b>	<b>100</b>	<b>56</b>

Source: ProAgria

<sup>1)</sup> All milk recording herds are not included.

Tie stall barn: Cow is tied to stall from its neck and milked on the spot.

Free stall barn: Cows are on the loose in a building where they have separate feeding and resting area. Cows are milked in a milking station or by a robot.

## GRAZING AND TIME OUTDOORS IN MILK RECORDING HERDS

	2010		2022	
<b>Cattle</b>	<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
Graze in the summer, time outdoors in the winter	455	8	353	10
Graze in the summer, indoors in the winter	3 895	68	1 953	57
Fenced walking area in the summer, time outdoors in the winter	103	2	91	2
Fenced walking area in the summer, indoors in the winter	347	6	191	6
Indoors in the summer and in the winter	946	17	855	25
<b>Total</b>	<b>5 746</b>	<b>100</b>	<b>3 443</b>	<b>100</b>

Source: ProAgria

# AVERAGE YIELD PER COW AND MILK CONTENTS IN MILK RECORDING HERDS 2022

Breed	Cows, no.	Average output, kg/cow	Milk contents, %			
			Pro- tein	Fat	ECM <sup>1)</sup>	Cells <sup>2)</sup>
Ayrshire	63 208	9 266	3.67	4.54	10 084	184
Brown Swiss	465	9 532	3.62	4.35	10 175	187
Guernesey	37	8 508	3.55	4.56	9 233	112
Holstein	93 691	10 622	3.54	4.27	11 176	178
Jersey	1 065	7 924	3.96	5.29	9 572	201
Montbéliarde	378	10 232	3.63	4.26	10 799	167
Finncattle						
Eastern Finncattle	132	4 567	3.46	4.33	4 820	137
Western Finncattle	805	6 958	3.46	4.41	7 418	206
Northern Finncattle	298	5 306	3.40	4.47	5 680	200
Other	99	8 112	3.31	3.91	8 445	162
<b>All</b>	<b>160 179</b>	<b>10 030</b>	<b>3.59</b>	<b>4.37</b>	<b>10 694</b>	<b>180</b>

Source: ProAgria

<sup>1)</sup> Energy-corrected milk output (milk's fat, protein and lactose content is taken into account).

<sup>2)</sup> Somatic cell count, geometric mean 1 000 pcs/ml.

## ENVIRONMENTAL AID

Farms committed to environmental aid	2012	2022	2023
Number	56 143	38 238	33 605
% of farms	91	85	89
% of arable area	90	88	77

Source: Finnish Food Authority

**Finland's water stress index** <sup>1)</sup> is low, under 10 %.

Source: World Resources Institute

<sup>1)</sup> Baseline water stress measures the ratio of total water withdrawals to available renewable surface and groundwater supplies.

## BIOECONOMY IN 2021p

	Output, MEUR	Value added, MEUR	Employed, 1 000 persons	Export of goods, MEUR
Agriculture	4 606	1 263	64,7	258
Food industry	11 946	2 919	40,2	1 390
Forestry	5 919	4 267	22,1	84
Wood-product industry	8 143	2 005	22,2	3 708
Pulp and paper industry	8 143	3 050	17,8	10 027
Chemical industry	5 459	1 343	5,3	2 018
Energy	5 724	2 663	6,9	..
Water treatment and supply	813	458	2,8	..
Bioeconomy services	3 346	1 524	34,4	..
of which nature tour- ism and recreation	3 156	1 334	34,4	..
<b>Bioeconomy, total</b>	<b>78 746</b>	<b>26 955</b>	<b>302,8</b>	<b>19 170</b>
National economy, total	476 835	217 910	2 710,8	70 237
<b>Share of bioeconomy, %</b>	<b>17</b>	<b>12</b>	<b>11</b>	<b>27</b>

Source: Natural Resources Institute Finland / Bioeconomy Calculations

Bioeconomy refers to an economy that relies on renewable natural resources to produce food, energy, products and services.

Output, value added and export expressed in current prices.

## GREENHOUSE GAS EMISSIONS OF AGRICULTURE

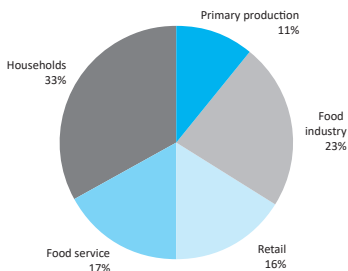
Thousand tonnes of CO <sub>2</sub> -eq.	2000	2010	2021	2022p
Agriculture total	6 386	6 421	6 303	6 323
Enteric fermentation	2 363	2 347	2 290	2 256
Manure management	693	773	730	712
Agricultural soils	2 975	3 021	3 082	3 154
Other	355	280	201	201

Source: Statistics Finland / Greenhouse gases

## FOOD WASTE

The amount of food waste in Finland is approximately 351–376 million kg per year. Food waste refers to originally edible food, which is not utilized as food, feed or part of new products.

### Food waste along the food chain <sup>1)</sup>



Source: Natural Resources Institute Finland / Elintarvikejätteen ja ruokahävikinseurantajärjestelmän rakentaminen ja ruokahävikkitiekartta

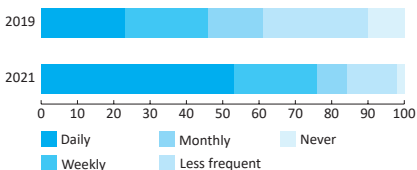
<sup>1)</sup> The results from different parts of the food chain are not directly comparable as the estimations are based on different kinds of methods, data and sample representativeness.



In 2022, the share of organic products in public catering services was approximately 6 % (in kg).

Source: Project Luomutetaan ruokapalvelut

## FREQUENCY OF USE OF ORGANIC PRODUCE BY CATERING PROVIDERS, %



Source: Project Luomutetaan ruokapalvelut, Taloustutkimus Oy, Finnish Organic Food Association Pro Luomu ry

## ANIMAL WELFARE INSPECTIONS BASED ON SAMPLING

No.	Inspections			Cases of neglect		
	2011	2021	2022	2011	2021	2022
Pigs	52	24	34	13	4	13
Cattle	362	156	176	97	44	56
Laying hens	26	3	31	5	1	7
Broilers	..	12	9	..	1	2
Goats	12	0	5	0	0	1
Sheep	32	36	50	8	7	14

Source: Finnish Food Authority

## INSPECTIONS OF COMMERCIAL ANIMAL TRANSPORTS

	2005	2011	2021	2022
Inspections, no.	451	387	383	401
Cases of neglect, %	24	16	8	6

Source: Finnish Food Authority

## FARMS RECEIVING ANIMAL WELL-BEING SUBSIDIES <sup>1)</sup>

Farms, no.	2020	% of farms	2021	% of farms	2022	% of farms
Beef farms	4 510	56	4 394	57	4 293	61
Pork farms	703	76	663	77	651	80
Sheep/goat farms	317	51	286	52	285	56
Poultry farms	343	77	327	78	331	76

Source: Finnish Food Authority

<sup>1)</sup> Subsidised farms.

% of farms that are able to apply for well-being allowance (sufficient number of animals).

## THE FOOTPAD DERMATITIS SCORE THAT REPRESENTS THE WELL-BEING OF BROILER CHICKENS

	2012	2021	2022
Share of flocks, %, with a score of less than 40	94.5	99.4	99.11
Share of flocks, %, with a score of 40–80	4.91	0.45	0.86
Share of flocks, %, with a score of more than 80	0.62	0.13	0.03

Source: Animal Health ETT

At least one footpad of a hundred chickens in every flock is analysed at the slaughterhouse. The seriousness of dermatitis is classified on a three-stage scale: 0, 1 and 2, where 0 refers to healthy footpad. Less than 40 points/flock is considered acceptable.

## RESPONSIBLE PRODUCTION LIMIT VALUES IN PORK PRODUCTION

Year	Farms, no	Farms <sup>1)</sup>		RPI exceeded <sup>2)</sup> , fattening pigs			RPI exceeded <sup>2)</sup> , sows	
		RPI sub-ceeded	RPI ex-ceeded	whole carcass	part-carcass	mortality <sup>3)</sup>	whole carcass	mortality <sup>3)</sup>
2021	957	90.9	9.1	3.0	4.6	2.4	4.0	4.1
2022	913	93.2	6.8	2.1	6.2	0.6	1.6	1.9

Source: Animal Health ETT / Sikava (Health Classification Register for Pig Farms)

RPI (responsible production indicator) is part of the national pork production criteria (sikava.fi/terveysluokitus). The values are inspected every six months. The limit for whole carcass condemnation: sows 7 % and fattening pigs 1.1 %. The limit for part-carcass condemnation: fattening pigs 12 %. The limit for mortality: sows 16 % and fattening pigs 4 %.

<sup>1)</sup> Percentage of farms in proportion to all farms. The number of missing values is not specified.

<sup>2)</sup> Percentage of farms with information about RPI. Calculation method has changed in 2020.

<sup>3)</sup> Includes dead and ended pigs.

IMPLEMENTATION OF ANIMAL WELFARE ON PIG AND COW FARMS

	Healthcare agreement with a vet		Coverage, %		At special level <sup>1)</sup>		At national level <sup>2)</sup>		At basic level <sup>3)</sup>		Empty <sup>4)</sup>		Healthcare visits	
	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
Pig farms (pens)	984	970	88	90	30	26	792	712	65	66	92	162	4 639	4 232
Cow farms	7 663	7152	83	83	..	..	..	..	..	..	..	..	14 432	14 374

Source: Animal Health ETT / Sikava (Health Classification Register for Pig Farms) and Naseva (Health Classification Register for Cow Farms), Finnish Food Authority

<sup>1)</sup> Meets the voluntary special requirements set by the industry for pig breeding farms, sikava.fi.

<sup>2)</sup> Meets the voluntary health care requirements set by the industry.

<sup>3)</sup> Some of the voluntary national requirements are not met.

<sup>4)</sup> Includes also temporarily empty pens.

Amount of pens at different healthcare levels at end of each year.

## USE OF ANTIMICROBIAL AGENTS IN FOOD-PRODUCING ANIMALS

	EU/EEA, average			Finland		
	2010 <sup>2)</sup>	2020 <sup>3)</sup>	2021 <sup>3)</sup>	2010	2020	2021
mg/PCU <sup>1)</sup>	131	89.0	84.4	25	16.2	17.0

Source: The European Medicines Agency EMA / ESVAC report

<sup>1)</sup> The sales in mg active ingredient sold per population correction (PCU, population correction unit, calculated by taking into consideration the most common food-producing animal species). Results for EU/EEA are calculated by dividing the total sales of veterinary antimicrobials in all participating countries by the combined PCU of these countries.

<sup>2)</sup> Number of participating countries: 19

<sup>3)</sup> Number of participating countries: 31

## LEVEL OF SELF-SUFFICIENCY IN FOOD PRODUCTS

Ratio of production to consumption, %	2005	2021	2022
Bread grain	102	100	119
Milk and liquid milk products	106	96	97
Beef and veal	89	85	89
Pork	116	110	106
Poultry meat	..	93	93
Eggs	119	116	120
Sugar	83	36	36
Tomato	62	60	60
Cucumber	74	93	90
Carrot and turnip	94	95	95
Strawberry	67	66	64
Raspberry	24	38	37
Apple <sup>1)</sup>	21	24	23
Currants	..	69	71

Source: Kantar TNS Agri Ltd, Finnish Association of Fruit and Berry Growers, Finnish Glasshouse Growers' Association, The Central Union of Agricultural Producers and Forest Owners, Finnish Customs, Natural Resources Institute Finland, Kasvistiето Oy

<sup>1)</sup> Numbers are estimates (do not include private gardening).

## FOOD SECURITY

Finland was ranked number one in food security in 2022 by The Global Food Security Index, which considers the issues of food affordability, availability, quality and safety.

Source: The Economist Intelligence Unit

## CUSTOMS CONTROLS OF FOOD 2022

Product category	Inspected batches, no.	Non-compliant batches, no.	Fail in labelling, no.
Foods for people with special diet (incl. dietary supplements)	120	58	42
Sweets and chocolate	68	13	12
Alcoholic beverages	28	4	4
Foods for children	51	1	1
Compiled dishes	127	20	16
Water, water-based soft drinks etc.	76	22	15
Products imitating meat and dairy products	58	14	8
Cereal dough based products	154	10	7
Leguminous plant seeds and leguminous products	55	13	6
Purified and isolated ingredients	46	6	3
Seasoning products and sauces	98	13	6
Oil seeds and fruit	80	6	4
Grains and cereal products	145	18	5
Food contact materials	293	30	0
Nuts and nut products	99	2	0
Hot drinks (coffee, cocoa and herb drinks)	13	2	1
Fruit, vegetable and plant juices, drinks and spreads etc.	73	21	9
Starchy roots and tubers	22	1	0
Ingredients for hot drinks and groats	146	18	3
Herbs, spices etc.	191	15	0
Vegetables and vegetable products	506	27	8
Fruit and fruit products	552	18	0
Fish and fish products	28	1	1
<b>Total</b>	<b>3 040</b>	<b>333</b>	<b>152</b>

Source: Finnish Customs, Finnish Food Authority / Food Safety in Finland 2022 publication

## CAUSES OF NON-COMPLIANCE 2022

<b>Cause of non-compliance <sup>1)</sup></b>	<b>No.</b>	<b>%</b>
Composition	129	33
Labelling	152	39
Microbiological contamination	11	3
Other contamination	74	19
Other	21	5
<b>Total</b>	<b>387</b>	<b>100</b>

Source: Finnish Customs, Finnish Food Authority / Food Safety in Finland 2022 publication

<sup>1)</sup> In foods inspected by Finnish Customs.

PESTICIDE RESIDUE CONTROL 2021 <sup>1)</sup>

<b>Source of sample</b>	<b>Random samples, no.</b>	<b>Non-compliant, %</b>
Domestic	637	0.5
EU	826	1.7
Outside of EU	865	6.2
<b>Total</b>	<b>2 328</b>	<b>2.5</b>

Source: Finnish Food Authority

<sup>1)</sup> Samples from fruits, plants, grains, processed foodstuffs, baby food and products of animal origin.

## MONITORING OF CONTAMINANTS IN LIVE ANIMALS AND ANIMAL PRODUCTS

	<b>EU-27 average</b>		<b>Finland</b>		
	<b>2012</b>	<b>2021</b>	<b>2012</b>	<b>2021</b>	<b>2022</b>
Targeted samples, no.	427 193	351 637	4 424	4 137	4 076
Non-compliant samples, %	0.25	0.24	0.86	0.48	0.34

Source: EFSA, Finnish Food Authority

Contaminants are prohibited substances, permissible medicinal products and contaminants from the environment. The EU results include all samples examined in the programme, also contaminants from the environment. The results for Finland take into account the residues of prohibited substances and permissible medicinal products but not all results that exceed the limit, such as heavy metals found in game.



## FOOD INSPECTIONS UNDER OIVA SYSTEM 2022

Category	Registered facilities, no.	Inspected facilities, no.	Number of inspections	OIVA A/B <sup>1)</sup> , %
Food transport	1 129	118	125	93
Food sales	11 794	3 473	4 081	86
Food service	30 739	11 442	13 544	85
Food storing and freezing	745	211	266	89
Food manufacturing				
Fish sector	344	264	588	82
Meat sector	317	232	747	86
Milk sector	110	91	222	91
Egg sector	66	51	71	99
Cereal and vegetable sector	2 252	710	830	87
Other food manufacturing	850	265	328	83
Export and import	989	230	298	71

Source: Finnish Food Authority / Food Safety in Finland 2022 publication

<sup>1)</sup> The result of Oiva inspection is excellent or good.

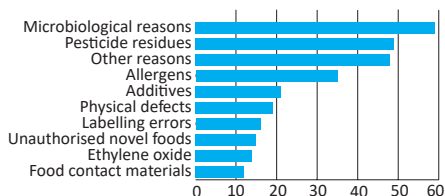
## NUMBER OF RECALLS

	2015	2018	2021	2022
Recalls <sup>1)</sup> , no.	111	168	309	288

Source: Finnish Food Authority / Food Safety in Finland 2022 publication

<sup>1)</sup> Includes both retailer and mass caterer recalls. Includes even cases where products did not become available to consumers. The statistics for different years are not directly comparable, as recording methods have been defined.

## REASONS FOR PRODUCT WITHDRAWALS 2022, pcs



Source: Finnish Food Authority / Food Safety in Finland 2022 publication

## FOOD AND WATER BORNE OUTBREAKS 2022

Cause of disease	Outbreaks, no.	Persons affected, no.	% of persons affected
<b>Foodborne</b>			
<i>Bacillus cereus</i>	2	20	3
<i>Clostridium perfringens</i>	1	8	1
EHEC	1	10	2
Campylobacter	3	20	3
<i>Listeria monocytogenes</i>	3	26	4,2
<i>Salmonella</i>	3	109	18
<i>Yersinia enterocolitica</i>	3	31	5
Norovirus	16	248	40
<i>Cryptosporidium parvum</i>	1	35	6
Others and unknown	22	115	18
<b>Total</b>	<b>55</b>	<b>622</b>	<b>100</b>
<b>Waterborne</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: Finnish Food Authority / Food Safety in Finland 2022 publication

## FOODBORNE OUTBREAKS BY FOOD VEHICLE 2022

<b>Food vehicle</b>	<b>Outbreaks, no.</b>	<b>Persons affected, no.</b>
Vegetables and vegetable products	7	167
Bakery and cereal products, cereals	3	48
Meat and meat products	3	17
Fish and fish products, shellfish	6	31
Milk and milk products <sup>1)</sup>	1	4
Unknown or several foods	33	341
<b>Total</b>	<b>53</b>	<b>608</b>

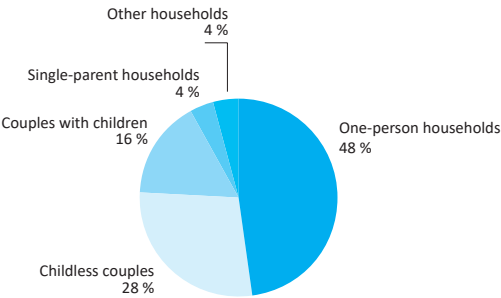
Source: Finnish Food Authority

<sup>1)</sup> Year 2021.

# GENERAL INFORMATION

## HOUSEHOLDS BY SIZE

In 2022 there were 2 888 000 households in Finland.



Source: Statistics Finland

On December 31st 2022 **the population of Finland** was 5 563 970.

In 2022 **the population density of Finland** was approximately 18.3 people per square kilometer.

In 2021 **the average size of a household** was 1.89 people.

Source: Statistics Finland

## GROSS DOMESTIC PRODUCT

<b>Field of activity, % <sup>1)</sup></b>	<b>2005</b>	<b>2010</b>	<b>2021p</b>	<b>2022p</b>
Agriculture, forestry and fishing	2.6	2.8	2.8	2.6
Agriculture	1.1	0.9	0.7	..
Manufacturing	24.3	19.4	17.0	18.2
Food industry	1.7	1.6	1.3	1.2
Construction	6.4	6.5	7.1	7.0
Wholesale and retail trade	9.8	9.4	7.3	6.9
Transportation and storage	5.7	5.1	3.8	4.1
Accommodation and food service activities	1.6	1.6	1.3	1.6
Food service activities	1.2	1.3	1.1	..
Information and communication	5.0	5.0	6.5	6.3
Financial and insurance activities	2.9	2.8	3.2	3.4
Real estate activities	10.2	11.2	13.1	12.4
Human health and social work activities	8.2	9.3	9.8	9.5

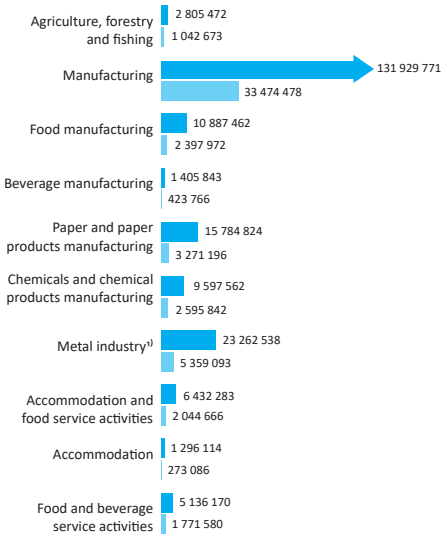
<sup>1)</sup> Selected fields of activity included in the gross domestic product.

Gross value added at basic prices, billion EUR	143.9	164.7	217.5	233.7
GDP at market prices, billion EUR	164.7	188.1	251.4	268.7

Source: Calculated from Statistics Finland / National Accounts

# GROSS VALUE OF AND VALUE ADDED TO PRODUCTION BY INDUSTRY BRANCH 2021

- Gross value (thousand euros)
- Value added (thousand euros)



Source: Statistics Finland (Standard industrial classification TOL 2008)

<sup>1)</sup> The metal industry includes metal refining and manufacture of metal products (excl. machines and equipment).

The gross value of production measures the actual production of the site. All revenues related to production are included in production activity, also manufacturing for its own use, and manufacturing which is supplied to other sites of the company.

The value added measures the total added value of the site produced in its actual production activity by the various producers. The value added is calculated as the difference between the revenues obtained from production activity and the costs incurred from the activity.

## LABOUR FORCE

	2010	2020	2022	2022
				1 000
<b>Employed persons by field of activity</b>	%	%	%	persons
Agriculture, forestry, fishing, mining and quarrying	5	4	4	102
Agriculture	3	3	3	68
Forestry	1	1	1	27
Manufacturing <sup>1)</sup>	16	14	14	366
Food and beverage manufacturing	1	2	2	42
Construction	7	7	7	184
Wholesale and retail trade <sup>2)</sup>	12	11	11	290
Transportation and storage	6	5	5	136
Accommodation and food service activities	4	3	4	100
Information and communication	4	5	5	134
Education	7	7	7	184
Human health and social work activities	15	16	16	415
Other services and fields of activity	23	26	26	688
Unknown field of activity	0.5	1	0.7	18
<b>Employed total</b>				
%	100	100	100	
1 000 persons	2 411	2 555	2 619	2 619
<b>Labour force total</b>				
1 000 persons	2 637	2 766	2 809	2 809
of which unemployed, %	8.6	7.7	6.8	6.8

Source: Statistics Finland / Labour force survey (Standard industrial classification TOL 2008)

<sup>1)</sup> Including electricity, gas, steam and air conditioning and water supply, sewerage and waste management.

<sup>2)</sup> Including repair of motor vehicles and motorcycles.

## NUMBER OF OCCUPATIONAL ACCIDENTS

<b>Occupational accidents<sup>1)</sup> per 100,000 working in the industry</b>	<b>2005</b>	<b>2010</b>	<b>2020</b>	<b>2021</b>
Agricultural entrepreneurs	5 962	4 882	4 694	4 317
Food and beverage industry employees	4 651	4 285	1 797	1 612
All occupations <sup>2)</sup>	2 581	2 103	1 424	1 474

Source: Statistics Finland, Finnish Workers' Compensation Center

The accident frequency has been calculated as per the industry of the employer.

<sup>1)</sup> Occupational accidents leading to at least 4 days of incapacity for work.

<sup>2)</sup> Occupational groups with at least 10 000 employees.



## MEAN PRECIPITATION 1981–2022, mm

	spring	summer	autumn	winter
Helsinki	107	200	200	153
Jyväskylä	114	225	176	128
Oulu	89	195	141	101
Sodankylä	100	194	139	103

Source: Finnish Meteorological Institute

## MEAN TEMPERATURES 1981–2022, °C

	spring	summer	autumn	winter
Helsinki	4.6	16.5	6.9	-3.0
Jyväskylä	2.6	15.0	3.9	-7.1
Oulu	1.6	14.9	3.5	-8.1
Sodankylä	-0.8	12.9	0.2	-12.2

Source: Finnish Meteorological Institute

## WEATHER CONDITIONS DURING THE GROWING SEASON

	Effective temperature sum, dd°C			Precipitation, mm		
	2022	2021	1991–2021, mean	2022	2021	1991–2021, mean
Jokioinen	1 459	1 565	1 377	325	468	352
Kauhava	1 315	1 387	1 256	392	335	309
Oulu	1 271	1 253	1 192	376	364	293
Sodankylä	1 034	962	884	242	273	260

Source: Finnish Meteorological Institute

## DAY LENGTH, hours

	spring	summer	autumn	winter
Helsinki	14.5	17.5	10.2	7.2
Kauhava	14.9	18.4	9.9	6.4
Oulu	15.3	19.1	9.7	5.8
Sodankylä	15.8	21.1	9.3	4.3

Source: Finnish Meteorological Institute



## **The Produced in Finland - label is a designation of origin of food stuff**

The label is used for Finnish packaged foods by food industry companies operating in Finland that manufacture their products using Finnish ingredients. It is a unique outcome of cooperation within the Finnish food industry.

The label is owned by Ruokatieto Yhdistys ry (Finfood – Finnish Food Information association). Ruokatieto (Finfood) also promotes food production and food culture in Finland.

# **Ruokatieto**

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