

# FORKFUL OF FACTS

Finnish Food Chain Statistics

# 2022

*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 build based on Finnish knowhow adding competitiveness in the international markets.

Forkful of Facts 2022 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 the second pandemic year 2021. For comparison some information from earlier years as well as international data is included. New tables for online groceries and food waste have 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](https://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>1995</b>	<b>2005</b>	<b>2020p</b>	<b>2021p</b>
Food and non-alcoholic beverages	7 411	9 381	14 595	14 965
Share of food and non-alcoholic beverages in consumption expenditure, %	15	12	13	12
Alcoholic beverages, tobacco and narcotics	2 976	4 135	6 129	6 320
Clothing and footwear	2 218	3 771	3 954	4 526
Housing, water, electricity, gas and other fuels	11 889	18 980	35 592	36 639
Furnishings, household equipment and household maintenance	2 132	4 147	5 921	6 203
Health	1 631	3 367	5 719	6 029
Transport	5 924	10 438	12 138	13 327
Communications	780	2 185	2 934	3 004
Culture and leisure	5 087	9 094	10 845	11 216
Education	228	333	447	462
Hotels, cafés and restaurants	3 383	5 259	6 097	6 764
Other goods and services	4 716	7 118	12 009	13 279

Source: Statistics Finland / National Accounts

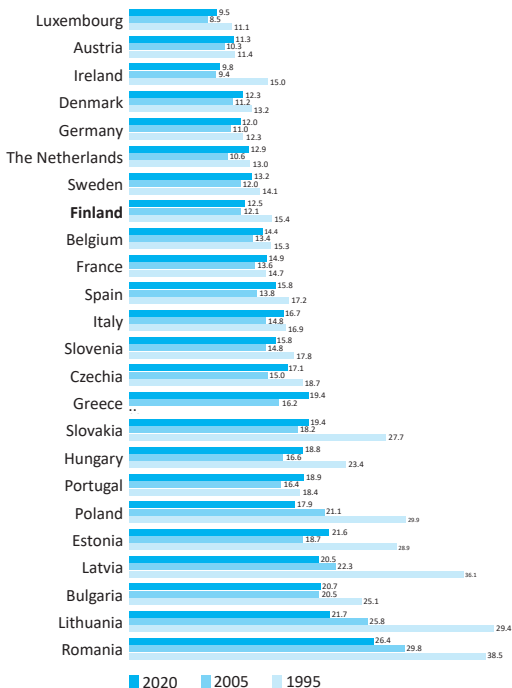
### FOOD EXPENDITURE

<b>Food expenditure of households, per capita</b>	<b>1995</b>		<b>2005</b>		<b>2020p</b>		<b>2021p</b>	
	<b>€/y</b>	<b>%</b>	<b>€/y</b>	<b>%</b>	<b>€/y</b>	<b>%</b>	<b>€/y</b>	<b>%</b>
Bread and cereal products	229	16	280	16	362	14	375	14
Meat and meat products	263	18	311	17	413	16	413	15
Fish and seafood	47	3	69	4	125	5	123	5
Milk, cheese and eggs	246	17	307	17	424	16	421	16
Oils and fats	39	3	41	2	55	2	55	2
Fruit and berries	96	7	124	7	213	8	208	8
Vegetables	119	8	155	9	242	9	246	9
Potatoes	25	2	27	1	34	1	32	1
Sugar, jam, honey, chocolate and confectionery	112	8	137	8	199	8	205	8
Coffee, tea and cocoa	69	5	45	3	80	3	84	3
Other goods	228	16	317	18	525	20	566	21
<b>Food and non-alcoholic beverages total</b>	<b>1 448</b>	<b>100</b>	<b>1 785</b>	<b>100</b>	<b>2 637</b>	<b>100</b>	<b>2 697</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>1995</b>	<b>2005</b>	<b>2011</b>	<b>2020</b>	<b>2021p</b>	<b>EU-27 <sup>1)</sup></b>
Grains, total	70	79	79	83	84	132
Meat, total	66	73	78	79	79	79
Beef	19	19	19	19	18	14
Pork	33	34	36	30	29	40
Poultry meat	9	16	18	28	28	22
Liquid milk products, total	203	188	182	140	137	187
Milk	158	143	134	101	99	..
Sour milk products	39	39	40	30	29	..
Cream (incl. sour cream products)	7	7	9	9	9	5
Butter	6	3	4	3	3	4
Vegetable oils	4	5	6	..	..	18
Cheese <sup>2)</sup>	15	17	21	25	26	..
Eggs	12	9	10	12	12	12
Sugar	35	32	30	32	28	34
Fruit	44	55	59	65	63	89
Vegetables <sup>3)</sup>	52	55	63	65	63	104
Fish (fillet/product weight)	14	14	15	15	..	18
Coffee (roasted)	8	10	10	9	9	5
Soft drinks	46	52	56	..	..	..
Beer <sup>4)</sup>	83	84	85	70	71	69
Wine <sup>4)</sup>	8	11	13	12	12	23
Spirits <sup>4)</sup>	5	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 2019.

<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.

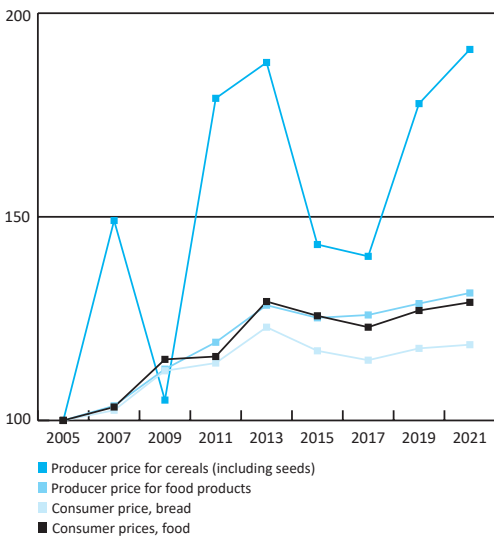
<sup>4)</sup> The numbers don't include private imports.

The numbers for Finland and EU are not directly comparable.



## REAL PRICE DEVELOPMENT OF FOOD IN FINLAND 2005–2021

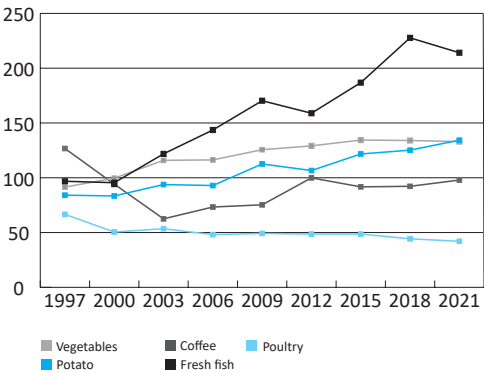
2005=100



Source: Statistics Finland

# REAL PRICE DEVELOPMENT OF SELECTED FOOD ITEMS

1994 = 100



Source: Statistics Finland / Consumer price index

PRICE INDEXES 2020 (EU15=100)

	Household consumpti- on expen- diture	Food and non- alcoholic beverages	Food	Bread and grain products	Meat and meat products	Fish and fish products	Milk, cheese and eggs	Fats and oils	Fruit, vegetab- les and potatoes	Other food- stuffs	Non- alcoholic beverages
The Netherlands	107	95	93	87	99	88	96	121	93	93	117
Belgium	105	104	103	103	112	107	98	113	100	98	110
Spain	88	94	94	102	84	92	101	90	92	106	98
Ireland	128	117	116	118	105	100	126	131	112	135	134
Italy	93	103	106	113	107	99	109	88	101	109	82
Austria	107	104	105	111	108	124	100	109	96	105	99
Greece	76	103	102	110	84	109	138	128	84	127	120
Luxembourg	135	121	122	119	129	112	128	124	123	116	111
Portugal	79	98	96	96	81	99	114	106	88	134	127
France	98	107	108	104	120	110	96	115	113	96	96
Sweden	118	111	110	115	102	115	103	124	119	112	123
Germany	97	99	100	100	105	120	94	95	106	90	95
<b>Finland</b>	116	111	110	123	99	110	111	119	116	108	122
Denmark	128	117	115	141	89	124	116	129	108	145	136
EU	90	97	97	97	93	101	99	102	97	97	96
UK	111	89	87	81	82	82	94	94	87	97	120

Source: Kantar TNS Agri Ltd, Eurostat

# FOOD CHAIN

## Grocery stores

### NUMBER OF SHOPS BY SHOP TYPE

Shop type	Total 1.1.2021	Total 1.1.2022
Hypermarkets	157	158
Department stores	86	88
Supermarkets, large	703	712
Supermarkets, small	501	518
Self-service shops, large	806	795
Self-service shops, small	284	277
Small shops	226	231
Specialty shops, market halls and online grocery shops <sup>1)</sup>	764	764
Discount stores, part of the convenience goods offering	361	382
Service station stores, part of the convenience goods offering	573	551
<b>Total</b>	<b>4 461</b>	<b>4 476</b>
Grocery buss / boat	11	8
Closed down	198	172

Source: NielsenIQ Convenience store register

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

## SALES OF CONSUMER GOODS BY SHOP TYPE

MEUR	2020	2021
Hypermarkets <sup>1)</sup>	5 928	6 222
Department stores	396	412
Supermarkets, large	7 715	7 901
Supermarkets, small	2 437	2 569
Self-service shops, large	2 204	2 183
Self-service shops, small	384	381
Small shops	169	168
Specialty shops, market halls and online grocery shops <sup>2)</sup>	267	301
Discount stores, part of the convenience goods offering	474	509
Service station stores, part of the convenience goods offering	155	148
<b>Total</b>	<b>20 130</b>	<b>20 795</b>
Grocery buss / boat	3	2
Closed down	98	69
<b>Total</b>	<b>20 231</b>	<b>20 866</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
Online grocery sales, MEUR	70	110	395	536
Online grocery's share of the grocery market, %	0.4	0.6	2	2.6

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

	2021	
	MEUR	%
Food items total	13 020	100
Milk products and eggs	2 422	18.6
Cereal products and bread	2 121	16.3
Meat	2 106	16.2
Vegetables	1 367	10.5
Fruits and berries	1 054	8.1
Others	3 949	30.3
Alcohol-free beverages	1 665	

Source: Finnish Grocery Trade Association

## MARKET SHARE OF ORGANIC FOOD BY PRODUCT CATEGORY 2021

	%
Baby foods	24
Eggs	20
Vegetable oils	17
Flakes and groats	13
Flours	9
Juice and fruit soups	9
Coffee, tea and cocoa	8
Fruits	7
Vegetables	5
Milk	4
Plant-based beverages	4

Source: The Finnish Organic Food Association Pro Luomu

In 2021, the market share of organic produce (€) in the Finnish grocery trade was around 2.5 %.

Source: The Finnish Organic Food Association Pro Luomu

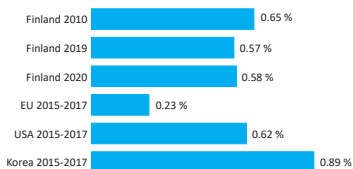
## FOOD MANUFACTURERS BY SECTOR

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

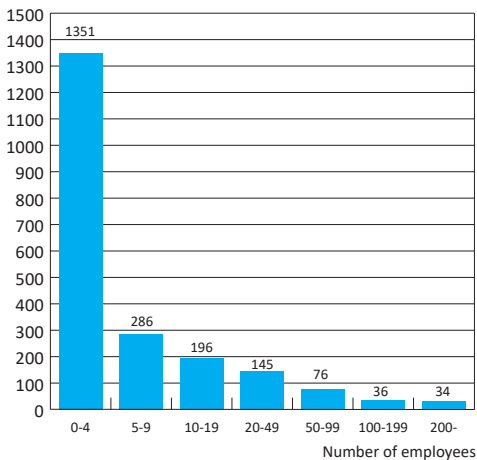
% of the gross value of production



Source: Statistics Finland, FoodDrinkEurope

## FOOD AND DRINK INDUSTRY PLANTS ACCORDING TO ENTERPRISE SIZE 2020

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	
	2019	2020	2019	2020	2019	2020	2019	2020
Slaughter and meat processing	221	216	8 148	8 251	2 586 070	2 632 766	317	319
Fish, crustacean and mollusc processing	129	128	867	1 016	421 025	424 924	486	418
Processing and preserving of fruits and vegetables	167	172	2 059	2 057	651 110	634 755	316	309
Processing and preserving of potatoes	40	41	388	386	142 128	144 602	366	375
Manufacture of vegetable and animal oils and fats	16	15	146	162	75 948	87 826	521	541
Manufacture of dairy products	87	89	4 498	4 502	2 106 757	2 110 709	468	469
Manufacture of mill and starch products	65	63	854	855	451 152	424 577	528	496
Manufacture of bakery and farinaceous products	798	784	6 836	7 103	1 042 974	1 137 629	153	160
Manufacture of other food products, of which	325	347	6 247	6 057	1 877 086	1 891 491	300	312
Sugar	5	4	252	242	140 568	143 424	557	594
Cocoa, chocolate and confectionery	59	55	1 510	1 089	381 152	354 317	252	325
Tea and coffee	32	37	480	479	349 317	311 337	728	650
Prepared meals and dishes	82	83	2 062	2 128	436 173	452 560	212	213
Food preparations and dietetic food	8	9	353	351	139 246	150 910	394	429
Beverages	214	222	2 936	2 882	1 342 143	1 292 446	457	448
Alcoholic beverages <sup>2)</sup>	183	186	2 556	2 594	1 220 449	1 178 281	460	454
<b>Food industry, total</b>	<b>2 110</b>	<b>2 124</b>	<b>33 552</b>	<b>33 884</b>	<b>11 324 178</b>	<b>11 471 970</b>	<b>338</b>	<b>339</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	2020	2021	20/21 %		2015	2020	2021	20/21 %	
<b>PROCESSED PRODUCTS</b>										
Beverages	452	463	492	6		161	144	173		21
Alcoholic beverages <sup>1)</sup>	351	307	309	1		140	114	127		11
Beer	39	35	35	-0.3		14	8.8	11		31
Soft drinks and mineral waters	50	110	138	25		7.3	20	33		68
Juices	74	80	82	3		4.8	5.0	4.7		-6
Canola oil	6.9	19	16	-11		5.3	3.3	6.8		108
Margarine	31	20	26	31		5.3	7.4	7.1		-5
Fruit preserves	78	76	77	2		3.1	2.0	2.4		23
Vegetable preserves	70	95	99	5		4.3	4.4	5.2		17
Sugar and honey	53	67	82	22		96	90	94		4
Sugarchemical products	3.8	5.5	5.5	-0.04		76	83	86		4
Honey	8.3	8.2	8.6	5		0.03	0.06	0.08		27
Coffee (instant and roasted)	60	69	79	15		19	32	36		12
Fish and crustacean products	130	122	117	-4		5.1	9.3	10		11
Frozen fish products	30	30	27	-13		7.7	13	15		11
Soups and tomato sauces	41	39	37	-5		3.0	1.6	2.1		31
Babyfood	17	18	18	-1		6.3	6.1	5.3		-13
Meat	325	280	282	1		123	175	173		-1
Pork	56	47	37	-21		67	99	92		-7
Beef	63	66	72	9		11	27	25		-8
Poultry	31	23	23	2		13	12	11		-7
Dairy products	407	396	400	1		380	439	423		-4
Milk powder	2.7	4.5	4.0	-11		81	122	121		-1
Cheese	281	266	270	2		59	56	48		-15
Butter, fats and oils from milk	3.7	4.0	4.1	1		116	130	123		-5

Malt	2.0	1.1	1.9	72	16	14	13	-7
Frozen berries and vegetables	98	109	112	2	29	27	31	16
Frozen potatoes	26	29	30	2	0.58	0.43	0.58	34
Flour and milling industry products	117	118	123	4	43	74	77	5
Rye flour	0.15	0.17	0.19	8	0.47	0.21	0.17	-21
Animal feed products	351	337	369	10	53	92	107	17
Sweets	222	236	257	9	103	100	112	12
Chocolate	98	114	125	9	62	59	67	13
Starch products	97	71	66	-7	11	14	14	-3
<b>Processed products total <sup>2)</sup></b>	<b>3 257</b>	<b>3 398</b>	<b>3 396</b>	<b>-0.05</b>	<b>1 239</b>	<b>1 440</b>	<b>1 507</b>	<b>5</b>
<b>AGRICULTURAL PRODUCTS</b>								
Tea	12	11	10	-7	0.42	0.89	1.2	34
Raw coffee	223	170	168	-1	30	3.6	7.7	116
Fruits	342	393	387	-1	3.3	6.8	7.2	6
Birds' eggs	3.8	8.3	5.9	-29	15	13	17	33
Fresh fish	183	294	309	5	19	146	151	4
Berries	17	40	45	11	3.3	1.0	0.60	-42
Blueberry	0.67	10	12	17	0.77	0.19	0.23	24
Spices	13	20	20	2	10	8.8	8.8	0.1
Nuts	37	36	31	-12	0.49	0.32	0.56	72
Raw sugar	32	15	2.9	-80	1.0	0.92	0.89	-3
Vegetables and potato	205	238	248	5	5.0	5.8	7.4	28
Grains	35	35	50	42	147	140	99	-29
Oat	1.2	0.21	0.68	221	62	80	74	-8
<b>Agricultural products total <sup>2)</sup></b>	<b>1 170</b>	<b>1 335</b>	<b>1 389</b>	<b>4</b>	<b>235</b>	<b>327</b>	<b>303</b>	<b>-8</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

2010	%	2015 <sup>1)</sup>	%	2020 <sup>1)</sup>	%	2021 <sup>1)</sup>	%
Russia	24.4	Sweden	20.4	Sweden	18.3	Sweden	18.6
Sweden	15.5	Estonia	8.8	China	8.2	China	8.2
Estonia	10.9	Russia	7.6	Estonia	7.3	Estonia	7.6
Germany	3.7	Germany	5.1	Germany	6.6	Germany	6.5
USA	3.6	the Netherlands	4.5	Russia	5.1	Russia	5.6
Norway	3.5	Denmark	3.4	France	4.6	Denmark	4.4
France	2.5	France	3.2	the Netherlands	4.6	Poland	4.3
Poland	2.3	USA	3	Denmark	4.4	France	4.0
UK	2.2	China	2.7	Poland	3.4	Norway	3.4
Denmark	2	Poland	2.4	Norway	2.9	the Netherlands	3.4
Others	29.4	Others	38.9	Others	34.6	Others	34.0
<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>

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

<sup>1)</sup> Compilation of statistics changed from 2014. The numbers are not directly comparable with numbers for 2010.

## FOOD EXPORTS BY COUNTRY AND PRODUCT GROUP 2021

China	€ thousand	EU	€ thousand	Other countries	€ thousand
Milk powder	71 906	Fish, fresh	146 143	Animal feed compounds	44 091
Pork	34 467	Butter and other milk fats and oils		Pork	42 856
Other milk products	19 181	Alcoholic beverages	103 863	Alcoholic beverages	26 437
Other meat and animal parts	15 641	Oat	100 537	Milk powder	22 599
Soft drinks and mineral waters		Chocolate	72 689	Cheese	21 309
Other milling industry products	1 365	Other milk products	51 583	Raw materials for animal feeds	20 098
Frozen berries and fruits	1 182	Animal feed compounds	37 417	Butter and other milk fats and oils	19 264
Babyfood, non-homogenized	823	Other sweets	29 995	Other milk products	18 030
Chocolate	770	Other grain products	27 490	Other milling industry products	15 215
Vegetable juices and extracts	645	Cheese	26 915	Chocolate	14 890
Alcoholic beverages	382	Yoghurt	26 678	Soft drinks and mineral waters	10 996
Other	751	Other	435 126	Other	135 906
<b>Total</b>	<b>148 270</b>	<b>Total</b>	<b>1 088 144</b>	<b>Total</b>	<b>391 689</b>

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

# NUMBER OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Farm size, ha of arable land	1995 <sup>1)</sup> Pcs	2005 Pcs	2020 <sup>2)</sup> Pcs	2021 <sup>2)</sup> Pcs	% of farms
0–5	9 988	5 228	1 383	1 315	3
5–10	17 049	8 765	6 196	6 138	14
10–15	16 918	8 481	4 742	4 632	10
15–25	25 634	13 989	7 445	7 199	16
25–50	23 870	19 660	10 723	10 339	23
50–75	4 508	7 549	5 800	5 658	13
75–100	1 209	3 116	3 435	3 339	7
100–150	622	1 990	3 371	3 398	8
150–	166	739	2 535	2 671	6
<b>Total</b>	<b>99 964</b>	<b>69 517</b>	<b>45 630</b>	<b>44 689</b>	<b>100</b>

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.

## OWNERSHIP OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Category	1995 <sup>1)</sup> Pcs	2005 Pcs	2020 <sup>2)</sup> Pcs	2021 <sup>2)</sup> Pcs	% of farms
Private individuals	86 933	61 477	39 068	38 149	85
Heirs and farming syndicates	12 468	7 297	5 074	4 959	11
State, communes etc.	563	743	1 488	1 581	4
<b>Total</b>	<b>99 964</b>	<b>69 517</b>	<b>45 630</b>	<b>44 689</b>	<b>100</b>
<b>Change from previous year</b>	..	..	-2.6 %	-2.1 %	

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	1995	2005	2020	2021
Entrepreneurs and their family members	116	73	51	55
of which women	37	22	13	13
Employees	25	20	17	21
of which women	12	9	9	9
<b>Total</b>	<b>141</b>	<b>93</b>	<b>68</b>	<b>76</b>

Source: Statistics Finland / Labour force survey

The numbers from 1995 and 2005 are not directly comparable with numbers from 2020 and 2021.

## SPECIALIZATION IN AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Number of farms	2010	2015	2020	2021	%
Milk production	10 205	7 729	5 361	5 015	11
Beef production	3 080	3 038	2 725	2 703	6
Other cattle husbandry <sup>1)</sup>	1 270	656	382	331	1
Pig husbandry	1 355	787	504	496	1
Poultry husbandry	375	454	410	449	1
Other grazing livestock <sup>2)</sup>	3 544	2 683	2 005	753	2
Cereal production	20 927	17 732	14 657	14 202	32
Other plant production	13 092	13 488	15 564	17 114	38
Greenhouse production	1 371	884	701	657	1
Outdoor horticultural production	1 696	1 471	1 271	1 259	3
Mixed production	2 568	2 078	2 050	1 710	4
<b>Total</b>	<b>59 483</b>	<b>51 000</b>	<b>45 630</b>	<b>44 689</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 2020. 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 €	2019 €	2020 €	2000 €	2019 €	2020 €
Milk production	31 746	63 909	65 707	24 812	48 976	49 868
Beef production etc.	30 129	72 606	71 868	15 878	37 250	35 587
Pig husbandry	41 644	82 569	78 096	28 421	53 758	50 590
Poultry husbandry	45 752	107 362	99 700	28 624	63 200	66 408
Sheep, goats, horses	29 434	57 704	65 209	3 704	13 222	12 373
Cereal production	38 623	71 831	70 456	10 999	19 716	17 833
Other plant production	35 760	71 266	63 069	11 695	18 917	17 436
Other production	28 901	60 736	62 571	6 524	14 761	15 883
<b>Average</b>	<b>35 235</b>	<b>70 671</b>	<b>68 216</b>	<b>16 324</b>	<b>25 701</b>	<b>24 078</b>

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



## AGRICULTURAL PRODUCTION COSTS

	2002 MEUR	2005 MEUR	2019 MEUR	2020 MEUR
<b>Material costs</b>	1 572	1 569	2 320	2 230
Fertilizers and lime	194	186	250	244
Other crop production costs	256	309	484	519
Fuels	176	209	338	284
Electricity	117	115	316	244
Forage costs	516	438	560	543
Livestock costs	313	322	372	396
<b>Farm operating costs <sup>1)</sup></b>	368	312	427	452
<b>Machinery costs</b>	844	875	1 047	1 167
Depreciation of machines	502	543	527	579
Other machinery costs	342	332	520	588
<b>Building costs</b>	316	317	372	387
Depreciation of buildings	256	258	304	315
Other building costs	60	58	68	73
<b>Other costs</b>	693	731	960	1 077
Insurances	241	255	312	309
Fixed rents	102	101	147	211
Other depreciations	45	46	47	50
Other costs	305	328	453	507
<b>Labour costs</b>	1 835	1 775	1 409	1 366
Wages paid	166	185	386	383
Wage claim	1 669	1 590	1 022	983
<b>Interest costs</b>	597	621	609	593
Interests paid	127	112	110	110
Interest claim of equity	470	509	499	483
<b>Total costs</b>	6 226	6 199	7 143	7 273

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

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

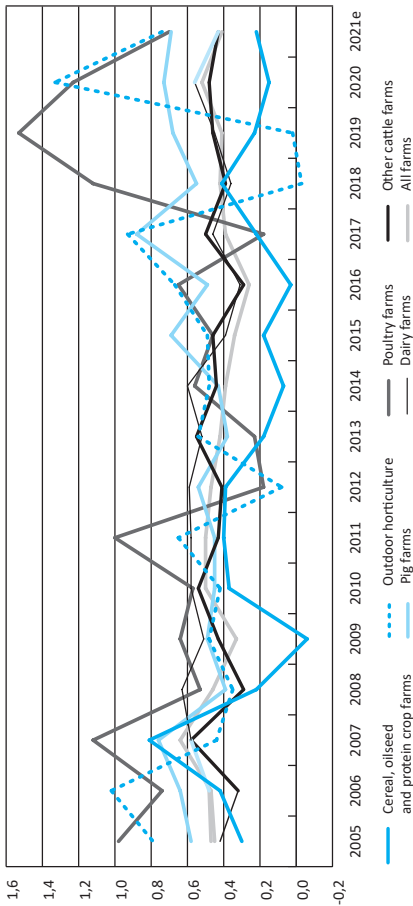
# AGRICULTURAL GROSS RETURN

Income from	2002 MEUR	2005 MEUR	2019 MEUR	2020 MEUR
Crop revenues	814	671	1 033	1 231
Rye and wheat	86	72	143	148
Barley	158	158	212	220
Oats and other cereals	148	82	178	218
Oilseeds	20	20	22	23
Grass crops	239	213	378	389
Potato and sugar beet	140	110	62	195
Pulses and other crops	23	15	37	37
Livestock revenues	1 808	1 652	1 828	1 936
Cattle	1 243	1 097	1 206	1 234
Pig	348	348	259	259
Poultry	212	175	324	394
Sheep, goat and horse revenues	5	5	40	49
Greenhouse and outdoor horticultural revenues	464	523	1 233	1 172
Financial yields	17	13	9	15
Other income	155	170	247	288
Subsidies total	1 846	1 922	1 829	1 903
<b>Gross return total</b>	<b>5 104</b>	<b>4 924</b>	<b>6 178</b>	<b>6 545</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 2005–2021p



Source: Natural Resources Institute Finland Economydoctor / Agriculture and Horticulture

## ENTREPRENEURIAL INCOME

	2000 MEUR	2010 MEUR	2015 MEUR	2020 MEUR	2021p MEUR
Entrepreneurial income (farm net income)	1 114	932	466	731	549

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

## PRODUCER PRICES

		1995	2005	2020	2021	Change 20/21 %
<b>Milk</b>	c/ltr					
producer price <sup>1)</sup>		31.3	31.5	32.90	33.18	0.84
adjustment payment		1.5	2.2	1.3	2.0	37.9
<b>Meat</b>	€/kg					
beef		2.4	2.1	3.16	3.21	1.6
organic beef		..	..	3.60	3.64	1.2
pork		1.3	1.3	1.62	1.55	-4.3
broiler		1.1	1.1	1.31	1.32	0.3
lamb		1.9	2.6	3.83	4.37	12.4
organic lamb		..	..	4.07	4.63	12.2
<b>Eggs</b>	€/kg	0.5	0.6	1.05	1.07	1.8
organic eggs		..	1.8	2.52	2.48	-1.7
<b>Grain and vegetables</b>						
bread wheat <sup>2)</sup>	€/tn	147	106	166	214	22
rye <sup>2)</sup>	€/tn	150	118	157	167	6
oats <sup>2)</sup>	€/tn	118	87	153	173	12
feed barley <sup>2)</sup>	€/tn	122	100	140	190	26
malting barley <sup>2)</sup>	€/tn	142	115	161	205	21
turnip rape and rape <sup>2)</sup>	€/tn	..	200	391	485	19
food potatoes <sup>3)</sup>	€/100 kg	..	..	19	18	-5
cucumber <sup>4)</sup>	€/kg	..	0.99	1.24	1.44	13.9
tomato <sup>4)</sup>	€/kg	..	1.16	1.64	1.91	14.1
apple <sup>4)</sup>	€/kg	..	0.87	1.66	1.65	-0.6

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	2020	2021
MYEL <sup>1)</sup> -insured agricultural entrepreneurs	105 993	90 007	53 571	52 012
Using annual leave <sup>2)</sup>	45 254	34 719	14 119	13 683
Using substitutes	14 934	14 624	4 343	4 044
Using substituting subject to subsidised charge	10 995	13 521	7 145	6 551
Using substituting subject to total charge	643	314	245	187

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		2020		2021	
	aver. age	number	aver. age	number	aver. age	number
Agricultural entrepreneurs	48	90 000	49	54 000	50	52 000
New entrepreneurs	30	760 <sup>1)</sup>	35	1 200	36	1 200
Retiring entrepren. <sup>2)</sup>	61	3 900	62	1 200	64	2 400
Recipients of farmers' early retirement aid <sup>3)</sup>	59	1 420	..	..	..	..

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.

<sup>3)</sup> Those giving up farming through succession within the farmers' early retirement aid scheme prior 2018.

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

Share of the entire year's disability pensions among agricultural entrepreneurs, %	2005	2020	2021
Respiratory diseases	3	2	1
Mental illnesses	20	27	29
Musculoskeletal disorders	47	39	41
Injuries, poisonings, etc.	9	9	6
Cardiovascular diseases	8	7	5
Tumours	..	9	10
Nervous system disorders	..	7	8

Source: Farmers' Social Insurance Institution Mela

## FISHERY CATCH

Catch, 1 000 kg	Commercial		Recreational	
	Marine	Inland	Marine	Inland
<b>Baltic herring</b>				
1995	94 612	0	1 285	0
2005	66 457	0	520	0
2015	131 444	0	271	0
2019	112 722	0	391	0
<b>Vendace</b>				
1995	92	1 974	43	2 200
2005	151	2 533	26	1 890
2015	200	2 805	36	1 079
2019	508	2 618	10	717
<b>European whitefish</b>				
1995	1 161	615	979	3 399
2005	765	208	357	1 573
2015	570	101	339	718
2019	416	193	315	709
<b>Salmon</b>				
1995	1 160	9	139	374
2005	461	8	103	231
2015	192	1	62	308
2019	228	14	40	270
<b>Rainbow trout</b>				
1995	47	0	205	782
2005	17	0	43	559
2015	2	0	15	359
2019	3	0	29	348
<b>Perch</b>				
1995	663	251	3 185	12 777
2005	860	498	2 556	9 190
2015	726	308	1 786	6 582
2019	721	315	1 423	5 054
<b>Pikeperch</b>				
1995	532	57	820	937
2005	440	99	383	1 883
2015	295	444	366	2 981
2019	198	879	605	2 773

Source: Natural Resources Institute Finland / Fishery and game statistics

## 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	1995	2010	2020	2021
<b>Sea, total <sup>1)</sup></b>	198	128	121	118
Food fish farms	191	116	100	98
Fry farms	22	15	25	29
Natural food ponds farmers	1	0	0	0
<b>Inland, total <sup>1)</sup></b>	493	357	254	245
Food fish farms	119	62	49	49
Fry farms	141	80	73	75
Natural food ponds farmers	315	213	149	142
<b>Total <sup>1)</sup></b>	691	485	375	363
Food fish farms	310	178	149	147
Fry farms	163	95	98	104
Natural food ponds farmers	316	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	2019	2020
<b>Registered commercial inland fishermen</b>	..	..	1 598	1 852
Group 1	..	..	306	353
Group 2	..	..	1 292	1 499
Active group 1	..	..	333	318
Active group 2	..	..	1 221	802
<b>Registered commercial marine fishermen</b>	2 948	2 079	2 231	2 276
Group 1	1071	667	400	399
Group 2	1 877	1 412	1 831	1 877
<b>Recreational fishermen</b>	2 057 000	1 780 000	1 461 000 <sup>1)</sup>	1 475 000

Source: Natural Resources Institute Finland / Fishery and game statistics

<sup>1)</sup> Year 2018.

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

	1995	2005	2020	2021p
<b>Wheat</b>				
Total yield, M kg	380	801	677	678
First grade product, % <sup>1)</sup>	..	32	44	34
Imports, M kg	132	146	215	251
Exports, M kg	8	64	204	86
Consumption as food, M kg <sup>2)</sup>	230	259	248	250
Annual consumption, kg/person	45	49	45	45
<b>Rye</b>				
Total yield, M kg	58	32	67	67
First grade product, % <sup>3)</sup>	..	28	89	94
Imports, M kg	61	82	4,5	3,7
Exports, M kg	..	16	15	14
Consumption as food, M kg <sup>2)</sup>	79	80	83	79
Annual consumption, kg/person	16	15	15	14
<b>Oat</b>				
Total yield, M kg	1 097	1 073	1 195	790
First grade product, % <sup>3)</sup>	..	15	27	11
Imports, M kg	2	0,2	1,2	1,8
Exports, M kg	105	326	455	418
Consumption as food, M kg <sup>2)</sup>	18	22	61	56
Annual consumption, kg/person	4	4	11	10

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	2020	2021p
<b>Potato</b>				
production	780 100	659 100	624 400	558 800
of which organic	..	..	15 600	11 000
exports	11 295	55 951	7 288	9 393
imports	6 716	14 299	8 771	8 621
domestic utilisation, total	..	663 500	616 200	580 300
<b>Tomato</b>				
production	..	39 200	41 247	37 988
of which organic	..	..	676	826
exports	351	174	612	469
imports	17 903	22 479	26 022	25 310
domestic utilisation, total	..	61 500	66 700	62 800
<b>Onions</b>				
production	..	..	29 801	29 298
of which organic	..	372	476	318
exports	162	118	194	35
imports	9 340	8 587	14 378	16 929
<b>Peas</b>				
production	11 100	13 400	54 100	42 600
exports	..	800	1 900	1 800
imports	..	5 100	9 000	11 500
domestic utilisation, total	..	17 700	61 200	52 300
<b>Turnip rape and rape</b>				
production	102 900	178 500	31 100	41 200
exports	..	55	57	22
imports	72 773	112 840	78 950	111 373
domestic utilisation, total	..	291 300	110 000	152 600
<b>Citrus fruits</b>				
exports	125	106	394	380
imports	68 734	69 619	80 345	76 668
domestic utilisation, total	..	69 500	80 000	76 300
<b>Apple</b>				
production	..	..	7 165	7 930
of which organic	..	29	107	151
exports	75	20	278	77
imports	46 468	47 822	41 698	32 759
<b>Berries</b>				
production	..	..	18 221	19 942
of which organic	..	296	631	728
exports	..	8 800	7 100	7 200
imports	..	17 300	27 900	28 000

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

## FISH CONSUMPTION

Kg/person	2000	2010	2019	2020
<b>Domestic fish</b>				
Farmed rainbow trout	1.6	1.1	1.3	1.5
Baltic herring	1.2	0.3	0.4	0.4
Pike	0.7	0.6	0.4	0.5
European perch	0.7	0.5	0.4	0.7
Vendace	0.7	0.7	0.3	0.4
European whitefish	0.4	0.3	0.2	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>3.8</b>	<b>4.4</b>
<b>Imported fish</b>				
Farmed rainbow trout	0.3	0.8	0.6	0.3
Farmed salmon	0.9	3.1	3.5	3.9
Tuna (preserved and prepared)	1.2	1.7	1.7	1.6
Saithe (frozen fillets)	0.6	0.5	0.4	0.3
Shrimps	0.4	0.7	0.5	0.4
Herring and Baltic herring (preserved)	0.5	0.5	0.6	0.5
Other imported fish	2.3	2.9	2.2	2.2
<b>Imported fish, total</b>	<b>6.2</b>	<b>10.2</b>	<b>9.6</b>	<b>9.3</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

	1995	2005	2020	2021p
<b>Milk, M litres</b>				
yield	2 397	2 362	2 336	2 247
litres/cow	5 981	7 505	8 882	8 762
received at dairies	2 296	2 293	2 293	2 206
consumption (milk and liquid milk products), M kg	1 012	995	809	801
<b>Butter, M kg</b>				
production	45	50	53	49
consumption	27	14	18	17
exports	19	37	35	34
<b>Cheese, M kg <sup>1)</sup></b>				
production	96	97	86	83
consumption	78	98	142	143
exports	29	37	16	13
<b>Milk powder, exports, M kg</b>	<b>7</b>	<b>15</b>	<b>52</b>	<b>48</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	1995	2005	2020	2021p
<b>Pork</b>				
production	166	204	176	176
consumption	165	176	164	160
exports	9	40	41	37
imports	10	15	27	24
<b>Beef and veal</b>				
production	95	87	87	86
consumption	96	98	103	102
exports	6	2	7	6
imports	8	14	22	22
<b>Poultry meat</b>				
production	43	87	145	147
consumption	45	84	152	158
exports	3	10	17	16
imports	0.3	7	21	22
<b>Mutton</b>				
production	2.0	0.6	1.4	1.3
consumption	2.0	1.9	3.0	2.9
imports	1.0	1.4	1.6	1.6
<b>Horse meat</b>				
production	0.4	0.1	0.2	0.2
consumption	0.5	1.2	1.4	1.2
imports	..	1.2	1.2	1.1
<b>Reindeer meat</b>				
production <sup>1)</sup>	2.8	2.9	2.0	1.4
consumption	2.6	3.1	2.3	1.9
exports	..	0.04	0.2	0.1
imports	..	0.2	0.5	0.6
<b>Meat, total</b>				
production	309	382	412	412
consumption	311	364	426	426
exports	18	52	65	59
imports	19	39	73	71
<b>Edible offals</b>				
exports	..	7.1	18	18
imports	..	0.1	1.6	2.1

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	1995	2005	2020	2021p
production	75	58	76	78
consumption	61	49	69	66
exports	14	11	10	13

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>2020</b>	<b>2021</b>
Strawberry	10.1	10.3	15.3	16.4
of which organic	..	0.2	0.4	0.4
Black- and greencurrant	1.8	1.0	1.1	1.3
Red- and whitecurrant	0.5	0.4	0.3	0.3
Raspberry	0.6	0.5	1.3	1.5
of which organic	..	0.01	0.03	0.02
Gooseberry	0.03	0.06	0.02	0.05
<b>Total</b>	<b>13.1</b>	<b>12.5</b>	<b>18.2</b>	<b>19.9</b>
<b>Supply of wild berries, 1 000 kg</b>				
Blueberry	3 111	2 780	4 736	5 292
of which organic	..	1 036	1 018	2 944
Lingonberry	8 544	6 057	7 715	10 651
of which organic	..	1 232	..	1 762
Cloudberry	321	152	94	232
of which organic	..	1	..	118
Other wild berries	51	108	52	47
<b>Total</b>	<b>12 027</b>	<b>9 097</b>	<b>12 597</b>	<b>16 224</b>
<b>Supply of wild mushrooms, 1 000 kg <sup>1)</sup></b>				
Chanterelle	16	5	39	15
Cep	181	747	461	672
Milk caps	152	99	67	79
Other wild mushrooms	77	4	44	35
<b>Total</b>	<b>426</b>	<b>855</b>	<b>611</b>	<b>802</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

		2006	2010	2021
<b>Number</b>	Hares	268 800	248 200	163 200
	Moose	75 587	68 423	42 484
	Deer <sup>1)</sup>	25 777	29 113	94 934
	Wild boar	3	100	1413
	Waterfowl	586 000	533 800	288 900
	Grouse	459 200	306 200	226 400
	Other game birds	245 400	278 000	288 900
	<b>Total <sup>2)</sup></b>	<b>1 664 867</b>	<b>1 470 315</b>	<b>1 110 400</b>
<b>Quantity, 1 000 kg</b>	Hares	525	501	337
	Moose	10 018	9 124	5 769
	Deer <sup>1)</sup>	1 086	1 227	3 838
	Wild boar	0	8	113
	Waterfowl	327	305	163
	Grouse	308	204	162
	Other game birds	84	97	95
	<b>Total <sup>2)</sup></b>	<b>12 400</b>	<b>11 559</b>	<b>10 553</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>2020</b>	<b>2021</b>
The Finnish Beekeepers' Association members	2 500	2 555
Professional beekeepers <sup>1)</sup>	90	82
Organic beekeepers	75	69
Number of productive beehives	82 200	85 500
Number of organic beehives	6 190	4 820
Yield per beehive, kg	32	41
Honey production, tonnes	2 206	3 055
Imported honey, tonnes	1 900	2 100
Honey consumption, tonnes	3 200	4 500
Honey consumption, g/person	600	800
Winter beehive losses <sup>2)</sup> , %	20	13

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

	1995	2005	2020	2021
<b>Wheat</b>				
area 1 000 ha	101	215	199	212
total yield M kg	380	801	677	678
yield kg/ha	3 770	3 730	3 410	3 190
<b>Rye</b>				
area 1 000 ha	21	14	19	18
total yield M kg	58	32	67	67
yield kg/ha	2 770	2 290	3 600	3 680
<b>Barley</b>				
area 1 000 ha	516	594	392	388
total yield M kg	1 764	2 103	1 382	1 032
yield kg/ha	3 420	3 540	3 520	2 660
<b>Oats</b>				
area 1 000 ha	329	345	325	314
total yield M kg	1 097	1 073	1 195	790
yield kg/ha	3 330	3 110	3 680	2 510
<b>Sugar beet</b>				
area 1 000 ha	35	31	11	11
total yield M kg	1 110	1 181	422	403
yield kg/ha	31 900	37 870	38 460	35 570
<b>Rape and turnip rape</b>				
area 1 000 ha	85	77	25	34
total yield M kg	128	106	31	41
yield kg/ha	1 500	1 380	1 270	1 200
<b>Peas</b>				
area 1 000 ha	5	4	21	20
total yield M kg	11	8	54	43
yield kg/ha	2 420	93	2 590	2 170
<b>Broad bean</b>				
area 1 000 ha	..	9 <sup>1)</sup>	14	9
total yield M kg	..	16 <sup>1)</sup>	23	12
yield kg/ha	..	1 720 <sup>1)</sup>	1 720	1 300
<b>Potatoes</b>				
area 1 000 ha	36	29	21	20
total yield M kg	798	743	624	559
yield kg/ha	22 110	25 700	30 230	27 480
<b>Carrots, M kg</b>	61	67	81	76
<b>Caraway, M kg</b>	..	9 <sup>1)</sup>	8	..
<b>Greenhouse cucumber, M kg</b>	24	32	54	53
<b>Potted vegetables, M pcs</b>	30	64	104	110

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

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

## USE OF ARABLE LAND

Area, 1000 ha	1995	2005	2020 <sup>1)</sup>	2021 <sup>1)</sup>	2022p <sup>1)</sup>
Grassland	755	620	781	798	794
Grains, total	978	1 188	1 084	1 062	1 064
Wheat	101	215	210	217	231
Rye	21	14	20	18	20
Barley	516	595	457	448	429
Oats	329	346	348	332	335
Mixed grains	11	16	43	41	43
Other grains	0.5	1.1	4.8	4.6	3.7
Turnip rape and rape	85	77	30	38	43
Sugar beet	35	31	11	11	8.9
Peas	..	3.8	25	23	35
Broad bean	..	..	18	12	12
Potatoes	36	29	21	20	20
Other crops	29	49	171	171	177
<b>Cultivated area, total</b>	<b>1 918</b>	<b>1 993</b>	<b>2 036</b>	<b>2 030</b>	<b>2 035</b>
Fallow	223	241	207	213	208
<b>Cultivated area and fallow, total</b>	<b>2 141</b>	<b>2 235</b>	<b>2 243</b>	<b>2 243</b>	<b>2 244</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	1995	2005	2019	2020	2021
Arable land per farm, average	22	33	49	50	51

Source: Natural Resources Institute Finland / Agricultural Statistics



## SALES VOLUMES OF PLANT PROTECTION PRODUCTS

Sales, tonnes	1995	2005	2019	2020
<b>Active substances</b>				
Fungicides	114	255	128	145
Insecticides	57	47	40	25
Herbicides	791	1 077	1 055	1 156
Plant growth regulators	73	52	56	38
<b>Products</b>				
Fungicides	236	718	946	553
Insecticides	160	147	182	143
Herbicides	1 768	2 639	3 514	2 793
Plant growth regulators	131	107	159	115

Source: Finnish Safety and Chemicals Agency, Eurostat

## ORGANIC PRODUCTION AREA AND NUMBER OF ORGANIC FARMS

Area, ha	1995	2005	2020	2021
Certified organic area	23 139	135 223	280 688	290 093
In-conversion area	21 557	12 364	33 968	37 643
Total organically farmed area	44 696	147 588	314 656	327 736
Percentage of organically farmed area of the total area of production, %	..	6.7	13.9	14.4
Organic farm size, ha/farm	20	34	63	67
Organic farms, number	2 793	4 296	5 009	4 911
Total organically farmed area EU-27		6 475 828	14 719 036	..
Percentage of organically farmed area of the total area of production EU-27, %	..	3.6	9.1	..

Source: Finnish Food Authority, Eurostat

## NUMBER OF ORGANIC PRODUCERS

	2008	2011	2020	2021
Organic primary production <sup>1)</sup>	3 758	3 975	4 962	4 879
of which organic animal farms	511	643	1126	1148
Organic foodstuff producers	401	487	789 <sup>2)</sup>	828 <sup>2)</sup>
Organic feedstuff producers	16	33	39	41
Organic seed packing plants	..	31	31	33
<b>Total</b>	<b>4 175</b>	<b>4 526</b>	<b>5 911</b>	<b>5 957</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	2020 M kg	% of total produc- tion	2021 M kg	% of total produc- tion
Beef	..	..	3.4	3.9	3.5	4.0
Pork	..	..	0.7	0.4	0.8	0.4
Lamb	..	..	0.3	23.6	0.3	24.2
Eggs	1.1	2.0	5.2	6.8	5.3	6.8
Wheat	9.7	1.2	17.9	2.6	18.3	2.7
Rye	8.5	9.8	9.5	14.1	10.1	15.1
Oats	41.0	3.4	83.4	7.0	58.2	7.4
Potato	3.7	0.5	15.6	2.5	11.0	2.0
Peas	1.2	11.5	7.7	14.2	5.0	11.7
Broad bean	..	..	4.5	19.3	1.7	14.2
Milk, M litres	26.8	1.2	79.0	3.4	80.9	3.7

Source: Natural Resources Institute Finland / Agricultural Statistics

## USE OF ARABLE LAND ON ORGANIC FARMS

<b>Certified organic area, ha</b>	<b>1995 <sup>1)</sup></b>	<b>2005</b>	<b>2020</b>	<b>2021</b>
Grassland	11 431	60 195	169 299	177 232
Cereals, total	8 158	46 362	80 164	79 691
Wheat	724	6 629	8 447	9 541
Rye	1 616	4 594	4 696	5 161
Barley	2 118	6 760	10 986	8 237
Oats	2 447	23 134	40 758	41 457
Mixed: straw grains	302	2 798	4 226	4 330
Mixed: legumes and straw grains	927	1 842	11 028	10 095
Peas	120	1 289	4 876	4 200
Buckwheat	23	185	343	286
Broad bean	..	..	3 839	2 852
Caraway	9	355	287	404
Flax	22	277	55	48
Turnip rape	64	2 419	2 566	4 196
Potatoes	423	440	866	652
Vegetables, open land	197	211	1 399	1 002
Greenhouse vegetables	2	9	8	10
Leafherbs	17	16	12	13
Berries and fruits	256	800	845	890
Fallow	2 022	19 178	4 935	5 271
<b>Total</b>	<b>23 139</b>	<b>135 223</b>	<b>280 688</b>	<b>290 093</b>

Source: Finnish Food Authority

<sup>1)</sup> Åland's data not included.

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

## AVERAGE NUMBER OF ANIMALS ON FARMS

Animals, pcs/farm	2005	2015	2020	2021
Pigs	454	929	1 184	1 282
Cattle	45	74	91	96
Poultry	5 474	9 868	11 305	25 013

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

## LIVESTOCK DENSITY INDEX

	2005	2010	2016
Livestock density index <sup>1)</sup>	0.51	0.49	0.48

Source: Eurostat

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

## LIVESTOCK

Livestock, in thousands	1995	2005	2020	2021
<b>Horses</b>	50	64	74	74
<b>Cattle</b>	1 148	959	846	844
Dairy cows	399	319	260	254
Suckler cows	29	35	62	64
<b>Sheep <sup>1)</sup></b>	159	87	140	131
Ewes	69	52	70	67
Other sheep	90	35	71	64
<b>Pigs <sup>2)</sup></b>	1 400	1 401	1 087	1 108
Sows	161	177	82	82
Fattening pigs	451	460	496	504
Piglets	476	451	491	504
<b>Poultry <sup>3)</sup></b>	10 358	10 538	13 577	13 832
Hens	4 179	3 128	3 812	3 729
Broilers	4 276	5 472	8 507	8 499
Turkeys	80	495	268	287
<b>Goats</b>	6	7	6	6
<b>Reindeer <sup>4)</sup></b>	208	207	195	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	2019	2021
<b>Hennery type</b>	<b>% of egg production</b>		
Enriched cage	89	51	42
Floor	9	39	47
Outdoor <sup>1)</sup>	..	2	3
Organic	2	8	8

Source: Finnish Poultry Association

<sup>1)</sup> Before 2018 outdoor henneries were compiled as part of floor henneries.

## BARN TYPES 2021

	<b>Number of barns</b>	<b>%</b>	<b>Cows</b>	<b>%</b>	<b>Average number of cows/farm</b>
Tie stall barn	1 936	54	60 040	30	30
Free stall barn	1 658	46	140 094	70	81
<b>Total</b>	<b>3 594 <sup>1)</sup></b>	<b>100</b>	<b>200 134</b>	<b>100</b>	<b>54</b>

Source: ProAgria

<sup>1)</sup> All cows 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

	<b>2010</b>		<b>2021</b>	
<b>Cattle</b>	<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
Graze in the summer, time outdoors in the winter	455	8	374	10
Graze in the summer, indoors in the winter	3 895	68	2 139	58
Fenced walking area in the summer, time outdoors in the winter	103	2	92	2
Fenced walking area in the summer, indoors in the winter	347	6	208	6
Indoors in the summer and in the winter	946	17	881	24
<b>Total</b>	<b>5 746</b>	<b>100</b>	<b>3 694</b>	<b>100</b>

Source: ProAgria

## MILKING MACHINES 2021

Milking machine type	Farms	%
Pipeline milking	2 036	52
Robotic milking	1 180	30
Milking station	682	17
Bucket milking machine	23	1
<b>Total</b>	<b>3 921</b>	<b>100</b>

Source: ProAgria

## AVERAGE YIELD PER COW AND MILK CONTENTS 2021

Breed	Cows, no.	Average output, kg/cow	Milk contents, %			
			Pro- tein	Fat	ECM <sup>1)</sup>	Cells <sup>2)</sup>
Ayrshire	69 993	9 379	3.66	4.52	10 166	180
Brown Swiss	410	9 594	3.6	4.3	10 193	168
Guernesey	23	8 845	3.27	4.15	9 321	110
Holstein	94 561	10 664	3.54	4.24	11 171	179
Jersey	1 082	8 090	3.93	5.24	9 704	194
Montbéliarde	288	10 328	3.59	4.26	10 967	166
Finncattle	1 346	6 467	3.49	4.43	6 900	197
Eastern Finncattle	138	4 507	3.52	4.42	4 823	159
Western Finncattle	903	7 129	3.49	4.44	7 606	201
Northern Finncattle	305	5 396	3.46	4.42	5 753	194
Other	87	7 876	3.44	4.09	8 165	211
<b>All</b>	<b>167 790</b>	<b>10 073</b>	<b>3.58</b>	<b>4.36</b>	<b>10 704</b>	<b>179</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	2021	2022
Number	56 143	39 233	38 238
% of farms	91	83	85
% of arable area	90	88	88

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 2020p

	Output, MEUR	Value added, MEUR	Employed, 1 000 persons	Export of goods, MEUR
Agriculture	4 678	1 574	63.6	227
Food industry	11 054	2 836	38.8	1 331
Forestry	5 426	3 988	21.2	71
Wood-product industry	6 110	1 168	21.1	2 437
Pulp and paper industry	12 633	2 583	18.5	8 765
Chemical industry	3 673	1 031	4.4	1 733
Energy	4 071	2 039	6.1	..
Water treatment and supply	889	516	2.8	..
Bioeconomy services	3 193	1 422	32.4	..
of which nature tour- ism and recreation	3 009	1 238	32.4	..
<b>Bioeconomy, total</b>	<b>68 268</b>	<b>24 156</b>	<b>294.4</b>	<b>15 997</b>
National economy, total	435 505	204 137	2 617.7	59 275
<b>Share of bioeconomy, %</b>	<b>16</b>	<b>12</b>	<b>11</b>	<b>27</b>

Source: Natural Resources Institute Finland / Bioeconomy Calculations

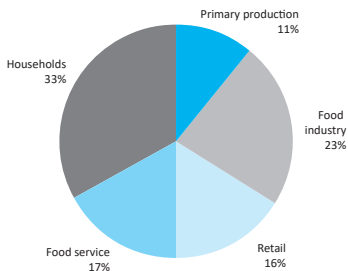
Bioeconomy refers to an economy that relies on renewable natural resources to produce food, energy, products and services.

Output, value added and export expressed in current prices.

## 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

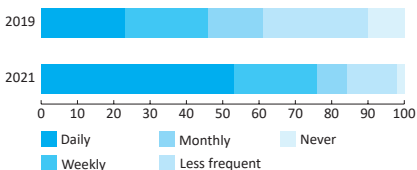
<sup>1)</sup> The results from different parts of the food chain are not directly comparable as the estimations are based on different kinds of methods, data and sample representativeness.



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, The Finnish Organic Food Association Pro Luomu

ANIMAL WELFARE INSPECTIONS BASED ON SAMPLING

No.	Inspections			Cases of neglect		
	2011	2020	2021	2011	2020	2021
Pigs	52	20	24	13	5	4
Cattle	362	200	156	97	60	44
Laying hens	26	0	3	5	0	1
Broilers	..	6	12	..	2	1
Goats	12	1	0	0	0	0
Sheep	32	49	36	8	8	7

Source: Finnish Food Authority

INSPECTIONS OF COMMERCIAL ANIMAL TRANSPORTS

	2005	2011	2020	2021
Inspections, no.	451	387	432	383
Cases of neglect, %	24	16	8	8

Source: Finnish Food Authority

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

Farms, no.	2019	% of farms	2020	% of farms	2021	% of farms
Beef farms	4 619	54	4 510	56	4 394	57
Pork farms	708	73	703	76	663	77
Sheep/goat farms	314	50	317	51	286	52
Poultry farms	345	75	343	77	327	78

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	2020	2021
Share of flocks, %, with a score of less than 40	94.5	99.7	99.4
Share of flocks, %, with a score of 40–80	4.91	0.28	0.45
Share of flocks, %, with a score of more than 80	0.62	0.03	0.13

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>
2020	963	91.7	8.3	3.5	2.9	2.6	5.2	3.7
2021	957	90.9	9.1	3.0	4.6	2.4	4.0	4.1

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	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Pig farms (pens)	1 036	984	87	88	35	30	872	792	70	65	52	92	4 808	4 639
Cow farms	7 763	7 663	83	87	..	..	..	..	..	..	..	..	13 456	14 432

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>	2018 <sup>3)</sup>	2020 <sup>3)</sup>	2010	2018	2020
mg/PCU <sup>1)</sup>	131	103.2	89.0	25	18.7	16.2

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, %	1994	2005	2020	2021
Bread grain	75	102	103	100
Milk and liquid milk products	112	106	100	96
Beef and veal	111	89	84	85
Pork	113	116	107	110
Poultry meat	..	..	96	93
Eggs	130	119	111	116
Sugar	68	83	38	36
Tomato	..	62	63	60
Cucumber	..	74	93	93
Carrot and turnip	..	94	93	95
Strawberry	..	67	60	66
Raspberry	..	24	38	38
Apple <sup>1)</sup>	..	21	17	24
Currants	..	..	70	69

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, Kasvistieto Oy

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

Finland was ranked number four in food security in 2021 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 2021

Product category	Inspected batches, no.	Non-compliant batches, no.	Fail in labelling, no.
Foods for people with special diet (incl. dietary supplements)	129	46	21
Sweets and chocolate	82	16	7
Alcoholic beverages	31	3	3
Foods for children	51	2	0
Compiled dishes	106	12	7
Water, water-based soft drinks etc.	88	24	9
Products imitating meat and dairy products	39	6	1
Cereal dough based products	114	9	8
Leguminous plant seeds and leguminous products	58	18	13
Purified and isolated ingredients	58	2	2
Seasoning products and sauces	86	8	3
Oil seeds and fruit	62	4	0
Grains and cereal products	157	18	2
Food contact materials	299	28	0
Nuts and nut products	93	7	2
Hot drinks (coffee, cocoa and herb drinks)	14	0	0
Fruit, vegetable and plant juices, drinks and spreads etc.	64	10	10
Starchy roots and tubers	27	1	0
Ingredients for hot drinks and groats	138	15	5
Herbs, spices etc.	217	24	2
Vegetables and vegetable products	517	22	7
Fruit and fruit products	629	27	3
Fish and fish products	24	4	2
<b>Total</b>	<b>3 083</b>	<b>306</b>	<b>107</b>

Source: Finnish Customs, Finnish Food Authority / Food Safety in Finland 2021 publication

## CAUSES OF NON-COMPLIANCE 2021

<b>Cause of non-compliance <sup>1)</sup></b>	<b>No.</b>	<b>%</b>
Composition	150	42
Labelling	107	30
Microbiological contamination	21	6
Other contamination	79	22
Other	4	1
<b>Total</b>	<b>361</b>	<b>100</b>

Source: Finnish Customs, Finnish Food Authority / Food Safety in Finland 2021 publication

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

PESTICIDE RESIDUE CONTROL 2020 <sup>1)</sup>

<b>Source of sample</b>	<b>Random samples, no.</b>	<b>Non-compliant, %</b>
Domestic	525	0.2
EU	1 134	2.4
Outside of EU	430	4.7
<b>Total</b>	<b>2 089</b>	<b>2.3</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>2020</b>	<b>2012</b>	<b>2020</b>	<b>2021</b>
Targeted samples, no.	427 193	331 789	4 424	4 110	4 137
Non-compliant samples, %	0.25	0.27	0.86	0.27	0.48

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 2021

Category	Registered facilities, no.	Inspected facilities, no.	Number of inspections	OIVA A/B <sup>1)</sup> , %
Food transport	1 423	151	147	98
Food sales	12 903	3 629	4 039	85
Food service	33 202	10 968	12 525	86
Food storing and freezing	846	174	192	87
Food manufacturing				
Fish sector	373	243	493	83
Meat sector	331	218	751	81
Milk sector	116	89	222	91
Egg sector	68	48	68	95
Cereal and vegetable sector	2 433	723	778	87
Other food manufacturing	936	263	300	85
Export and import	936	155	190	67
Low-risk food activities	284	51	52	92

Source: Finnish Food Authority / Food Safety in Finland 2021 publication

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

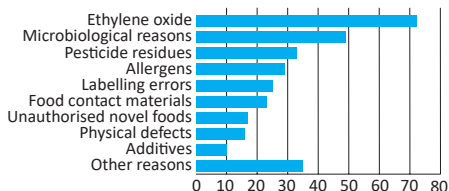
## NUMBER OF RECALLS

	2015	2018	2020	2021
Recalls <sup>1)</sup> , no.	111	168	267	309

Source: Finnish Food Authority / Food Safety in Finland 2021 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 2021, pcs



Source: Finnish Food Authority / Food Safety in Finland 2021 publication

## FOOD AND WATER BORNE OUTBREAKS 2021

Cause of disease	Outbreaks, no.	Persons affected, no.	% of persons affected
<b>Foodborne</b>			
<i>Clostridium perfringens</i>	1	12	1
EHEC	2	80	6
ETEC + EAEC	1	29	2
Campylobacter	6	60	4
<i>Listeria monocytogenes</i>	2	6	0,4
<i>Salmonella</i>	7	824	60
<i>Staphylococcus aureus</i>	1	4	0,3
<i>Yersinia enterocolitica</i>	2	9	1
Norovirus	9	260	19
Others and unknown	15	94	7
<b>Total</b>	<b>46</b>	<b>1 378</b>	<b>100</b>
<b>Waterborne</b>			
Norovirus	1	5	71
Unknown	1	2	29
<b>Total</b>	<b>2</b>	<b>7</b>	<b>100</b>

Source: Finnish Food Authority / Food Safety in Finland 2021 publication

## FOODBORNE OUTBREAKS BY FOOD VEHICLE 2021

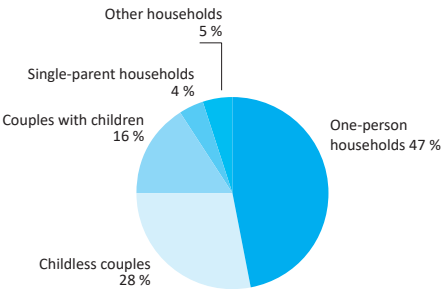
<b>Food vehicle</b>	<b>Outbreaks, no.</b>	<b>Persons affected, no.</b>
Vegetables and vegetable products	7	911
Bakery and cereal products, cereals	2	45
Meat and meat products	4	22
Fish and fish products, shellfish	2	16
Milk and milk products	1	4
Unknown or several foods	30	380
<b>Total</b>	<b>46</b>	<b>1 378</b>

Source: Finnish Food Authority

# GENERAL INFORMATION

## HOUSEHOLDS BY SIZE

In 2021 there were 2 830 000 households in Finland.



Source: Statistics Finland

On December 31st 2021 **the population of Finland** was 5 548 241.

In 2021 **the population density** of Finland was approximately 18.3 people per square kilometer.

In 2020 **the average size of a household** was 1.93 people.

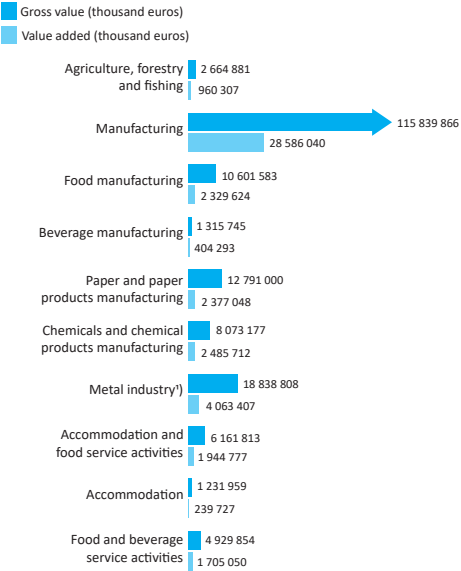
Source: Statistics Finland

## GROSS DOMESTIC PRODUCT

<b>Field of activity, % <sup>1)</sup></b>	<b>2005</b>	<b>2010</b>	<b>2020p</b>	<b>2021p</b>
Agriculture, forestry and fishing	2.6	2.8	2.8	2.6
Agriculture	1.1	0.9	0.8	..
Manufacturing	24.3	19.4	16.5	16.9
Food industry	1.7	1.6	1.4	1.3
Construction	6.4	6.5	7.7	7.7
Wholesale and retail trade	9.8	9.4	7.5	7.4
Transportation and storage	5.7	5.1	3.8	3.8
Accommodation and food service activities	1.6	1.6	1.3	1.3
Food service activities	1.2	1.3	1.1	..
Information and communication	5.0	5.0	6.2	6.3
Financial and insurance activities	2.9	2.8	3.0	3.3
Real estate activities	10.2	11.2	13.3	13.0
Human health and social work activities	8.2	9.3	9.7	9.6
<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	206.1	218.0
GDP at market prices, billion EUR	164.7	188.1	238.0	251.4

Source: Calculated from Statistics Finland / National Accounts

# GROSS VALUE OF AND VALUE ADDED TO PRODUCTION BY INDUSTRY BRANCH 2020



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	2021	2021
				1 000
<b>Employed persons by field of activity</b>	%	%	%	persons
Agriculture, forestry, fishing, mining and quarrying	5	4	4	107
Agriculture	3	3	3	76
Forestry	1	1	1	25
Manufacturing <sup>1)</sup>	16	14	14	351
Food and beverage manufacturing	1	1	2	39
Construction	7	8	7	189
Wholesale and retail trade <sup>2)</sup>	12	11	11	291
Transportation and storage	6	6	5	135
Accommodation and food service activities	4	3	3	86
Information and communication	4	5	5	126
Education	7	7	7	181
Human health and social work activities	15	16	16	410
Other services and fields of activity	23	26	26	663
Unknown field of activity	0,5	0,3	1	16
<b>Employed total</b>				
%	100	100	100	
1 000 persons	2 411	2 495	2 555	2 555
<b>Labour force total</b>				
1 000 persons	2 637	2 704	2 766	2 766
of which unemployed, %	8.6	7.7	7.7	7.7

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.

## OCCUPATIONAL DISEASES BY INDUSTRY 2018

Occupational diseases	Pcs	Per 10 000 employed
Crop farming, animal and game husbandry	132	20.9
Food manufacturing	33	9.5
Beverage manufacturing	0	0
Food and beverage service activities	24	3.4

Source: Finnish Institute of Occupational Health / The Finnish Register of Occupational Diseases

## NUMBER OF OCCUPATIONAL ACCIDENTS

Occupational accidents <sup>1)</sup> per 100,000 working in the industry	2005	2010	2019	2020
Agricultural entrepreneurs	5 962	4 882	4 761	4 694
Food and beverage industry employees	4 651	4 285	1 857	1 659
All occupations <sup>2)</sup>	2 581	2 103	1 601	1 166

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.

## OCCUPATIONAL ACCIDENT FREQUENCY

Occupational accident frequency <sup>1)</sup>	2019–2021
Garden product and crop farmers	37
Animal producers	67
Mixed crop-livestock farmers	57
All occupations	27

Source: Finnish Workers' Compensation Center

<sup>1)</sup> Accidents at work per million working hours.

The numbers do not include occupational accidents of entrepreneurs.



## MEAN PRECIPITATION 1981–2021, mm

	spring	summer	autumn	winter
Helsinki	107	203	201	150
Jyväskylä	114	224	177	127
Oulu	89	192	142	100
Sodankylä	100	194	140	103

Source: Finnish Meteorological Institute

## MEAN TEMPERATURES 1981–2021, °C

	spring	summer	autumn	winter
Helsinki	4.6	16.5	6.9	-3.1
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		
	2021	2020	1991–2020, mean	2021	2020	1991–2020, mean
Jokioinen	1 565	1 479	1 377	468	337	352
Kauhava	1 387	1 337	1 256	335	338	309
Oulu	1 253	1 253	1 192	364	347	293
Sodankylä	962	996	884	273	239	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 Hyvää Suomesta – Produce of Finland label of origin is used in Finnish packaged food products manufactured using Finnish ingredients.**

**[hyvaasuomesta.fi/english](https://hyvaasuomesta.fi/english)**

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