

FORKFUL OF FACTS

Finnish Food Industry Statistics 2016



Ruokatieto

FOR THE READER

Forkful of Facts – Food Industry Statistics contains a wide variety of figures concerning Finnish agriculture, covering the entire food chain, from field to fork.

Forkful of Facts presents figures about food chain practices and value-adding factors, which can be utilised to enhance the competitiveness of the Finnish food chain, which relies on responsible practices. The statistics have been divided under headings environment, product safety, nutrition, work and well-being at work, animals and animal well-being, locality and economy. This division follows the seven dimensions of food chain sustainability. Nevertheless, it must be noted that the selected statistics do not measure the level of sustainability, as research on the subject is still at an early stage.

The latest information in this Forkful of Facts is mainly from 2015. We have also included information from earlier years as well as international data for comparison. Some new tables have been introduced this year, particularly ones that describe Finland as an arctic food producing country and comparative figures from the EU.

A paper copy of Forkful of Facts is available in three languages (Finnish, Swedish, English) and it is also available online at www.ruokatieto.fi/tietohaarukka.

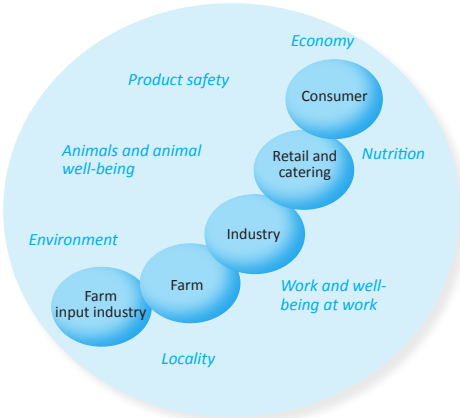


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Explanation of symbols:

p. = preliminary data

.. = data not available

GENERAL INFORMATION

MEAN PRECIPITATION 1981–2015, MM

	spring	summer	autumn	winter
Helsinki	107	202	201	150
Jyväskylä	115	231	177	127
Oulu	86	191	133	94
Sodankylä	102	194	139	102
Frankfurt	145	180	159	149
Padova	195	183	221	149

Source: Finnish Meteorological Institute

MEAN TEMPERATURES 1981–2015, °C

	spring	summer	autumn	winter
Helsinki	4.4	16.3	6.8	-3.4
Jyväskylä	2.5	14.8	3.7	-7.5
Oulu	1.6	14.7	3.4	-8.5
Sodankylä	-1.0	12.7	0.0	-12.5
Frankfurt	10.7	19.2	10.6	2.5
Padova	13.6	23.5	14.4	4.2

Source: Finnish Meteorological Institute

WEATHER CONDITIONS DURING THE GROWING SEASON

	Effective temperature comparative period			Precipitation comparative period		
	2015	2014	1981–2010	2015	2014	1981–2010
Jokioinen	1 230	1 476	1 307	341	340	341
Kauhava	1 161	1 380	1 185	409	307	286
Oulu	1 102	1 274	1 170	415	296	257
Sodankylä	820	1 004	795	329	266	227
Frankfurt	2 647	2 681	2 411	351	565	496
Padova	3 558	3 893	3 368	784	1 128	643

Source: Finnish Meteorological Institute



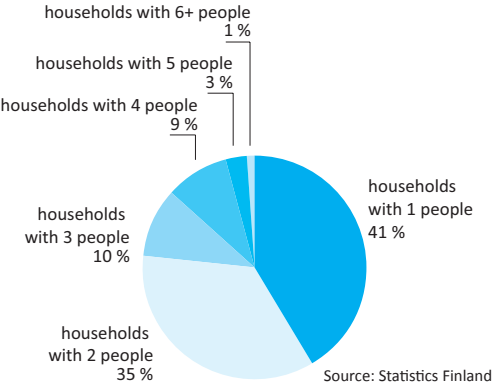
DAY LENGHT, H

	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
Frankfurt	13.7	15.5	10.8	8.9
Padova	13.4	15.0	11.0	9.4

Source: Finnish Meteorological Institute

HOUSEHOLDS BY SIZE

in 2014 there were 2 640 499 households



The population of Finland in December 2015 was 5 486 616.
Source: Statistics Finland

On the first of January 2016 the population density of Finland was approximately 18.06 people per square kilometer.

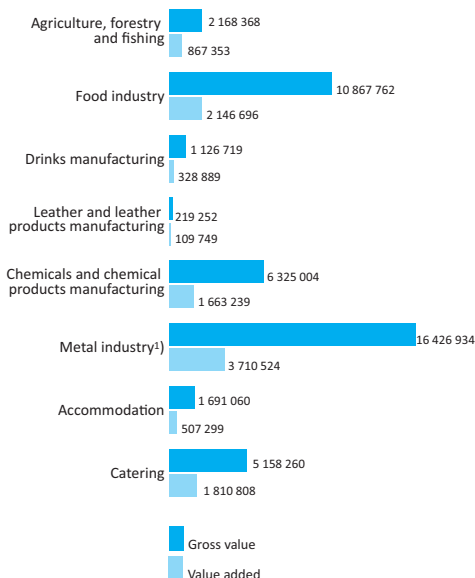
In the year 2014 the average size of a household was approximately 2.04 people.
Source: Statistics Finland

GROSS DOMESTIC PRODUCT

Distribution by field of activity % ¹⁾	2005	2010	2014 p.	2015 p.
Agriculture, forestry and fishing	2.6	2.7	2.8	2.6
of which agriculture	1.1	0.9	0.8	0.6
Manufacturing	24.3	19.5	16.9	17.0
of which food industry	1.5	1.3	1.2	1.4
Construction	6.4	6.4	6.2	6.2
Wholesale and retail trade ¹⁾	9.8	9.4	9.6	9.3
Transportation and storage	5.7	5.1	5.0	4.9
Accommodation and food service activities	1.6	1.6	1.6	1.7
of which food service activities	1.2	1.3	1.3	1.3
Information and communication	5.0	5.0	5.5	5.8
Financial and insurance activities	2.7	2.6	3.0	2.9
Real estate activities	10.2	11.2	12.3	12.7
Human health and social work activities	8.2	9.3	10.0	10.0
¹⁾ selected fields of activity included in the gross domestic product				
Gross value added at basic prices, billion EUR	143.6	163.6	176.7	180.3
GDP in purchasers' values, billion EUR	164.4	187.1	205.2	209.1

Source: Statistics Finland. National Accounts

GROSS VALUE OF AND VALUE ADDED TO PRODUCTION BY INDUSTRY BRANCH 2014



Source: Statistics Finland, Standard industrial classification TOL 2008

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

BIOECONOMY IN 2014

	Output, MEUR	Value added, MEUR	Number of em- ployees	Exports, MEUR
Agriculture	4 800	1 477	86 500	696
Food industry	11 205	2 577	37 900	1 442
Forestry	4 741	3 375	24 300	14 878
Chemical industry	2 516	646	2 850	1 587
Water treatment and distribution	693	395	2 700	0
Bioeconomy services	3 280	1 459	34 425	23
Nature tourism	3 036	1 283	32 625	0
Hunting	62	62	0	1
Fishing	182	114	1 800	22
Bioeconomy total	63 747	21 469	309 179	17 039
National economy total	386 768	176 781	2 496 800	77 600
Share of bioeconomy, %	16.5	12.1	12.4	22

Source: Statistics Finland, Natural Resources Institute Finland

LABOUR FORCE

Field of activity	2000 %	2005 %	2014 %	2015 %	2015 1 000 persons
Agriculture, forestry, fishing, mining and quarrying	6	5	4	4	109
of which agriculture	5	4	3	3	75
of which forestry	1	1	1	1	25
Industry ¹⁾	20	18	15	14	352
of which food and beverage industry	2	2	2	2	38
of which other industry	18	17	13	13	314
Construction	6	7	7	7	168
Wholesale and retail trade ²⁾	12	12	12	12	284
Transport and storage	7	6	6	6	137
Accommodation and food service activities	3	3	4	4	87
Other services	45	48	52	53	1 290
Unknown field of activity	0.3	0.2	0.4	0	9
Employed total	100	100	100	100	
in thousands	2 335	2 401	2 447	2 437	2 436
Total labour force in thousands	2 589	2 621	2 679	2 689	2 689
of which unemployed %	9.8	8.4	8.7	9.4	9.4

Source: Statistics Finland, Standard industrial classification TOL 2008

¹⁾ including electricity, water supply, waste management etc.²⁾ including repair of motor vehicles and motorcycles

OCCUPATIONAL DISEASES BY INDUSTRY 2013

Occupational diseases	pcs	100 000 per employed
Crop farming, animal husbandry, game husbandry	265	505
Production of foodstuff	185	582
Bevegare industry	6	190
Food service activities	137	193

Source: Finnish Institute of Occupational Health

NUMBER OF OCCUPATIONAL ACCIDENTS

Occupational accidents ¹⁾ per 100,000 working in the industry	2005	2010	2013	2014
Agricultural entrepreneurs	5 962	4 882	4 994	..
Food industry employees ²⁾	7 696	6 919	3 258	3 268 ⁴⁾
All occupations ³⁾	2 581	2 103	1 887	1 767 ⁴⁾

Source: Statistics Finland, Workers' Compensation center

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

¹⁾ occupational accidents leading to at least 4 days of incapacity for work.²⁾ occupational accident data by occupation next available for the 2015 reference year data once the Federation of Accident Insurance Institution (FAII) adopts the ISCO-08 classification.³⁾ occupational groups with at least 10,000 employees.⁴⁾ preliminary data, data regarding long periods of incapacity for work and accidents leading to retirement is incomplete, not comparable with previous years.

AVERAGE AGE AND NUMBER OF AGRICULTURAL ENTREPRENEURS

	1995		2005		2015	
	aver. age	num- ber	aver. age	num- ber	aver. age	num- ber
Agricultural entrepreneurs	45.1	142 000	47.6	90 000	48.6	64 000
Start-up entrepreneurs ¹⁾	29.9	70	29.8	760	28.3	390
Retiring entrepreneurs ²⁾	60.2	6 600	60.8	3 900	62.6	2 100
Recipients of farmers' early retirement aid ³⁾	57.8	560	58.6	1 420	58.1	600

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

¹⁾ entrepreneurs taking up farming through succession within the farmers' early retirement aid scheme.²⁾ covering those retiring on old-age, disability and unemployment pension.³⁾ those giving up farming through succession within the farmers' early retirement aid scheme.

MOST IMPORTANT REASONS FOR RETIREMENT ON DISABILITY PENSION AMONG AGRICULTURAL ENTREPRENEURS

%	1995	2005	2014	2015
Respiratory diseases	7	3	2	3
Mental illnesses	14	20	18	16
Musculoskeletal disorders	46	47	43	46
Injuries, poisonings, etc.	6	9	10	8
Cardiovascular diseases	15	8	8	8
Tumours	..	..	6	6
Nervous system disorders	..	..	7	7

Source: Farmers' Social Insurance Institution Mela

% = share of the entire year's disability pensions among agricultural entrepreneurs.

ORGANIC PRODUCTION AREA AND NUMBER OF ORGANIC FARMS

Area, ha	1995	2005	2014	2015
Certified organic area, ha	23 139	135 223	188 720	191 460
In-conversion area, ha	21 557	12 364	23 933	33 155
Total organically farmed area, ha	44 696	147 588	212 653	224 615
Percentage of organically farmed area of the total area of production %	..	6.7	9.4	9.9
Organic farm size, ha/farm	20	34	51	53
Organic farms, number	2 793	4 296	4 180	4 328
Percentage of organically farmed area of the total area of production %				
EU 28	..	3.6 ¹⁾	5.9	..
Total organically farmed area, EU 28	..	6 475 828 ¹⁾	10 315 126	..

Source: Finnish Food Safety Authority Evira, Eurostat

¹⁾ the 2005 figure is for the EU 27

Locality

NUMBER OF ORGANIC PRODUCERS

	2008	2011	2014	2015
Organic primary production ¹⁾	3 758	3 975	4 119	4 191
from which organic animal farms	511	643	825	899
Organic foodstuff producers	401	487	651	674 ²⁾
Organic feedstuff producers	16	33	45	45
Organic seed packing plants	..	31	25	25
Total	4 175	4 526	4 840	5 044
Organic primary production EU 28	..	..	257 124	..

Source: Finnish Food Safety Authority Evira, Eurostat

¹⁾ includes, in addition to farms, also greenhouse, mushroom farms and beekeepers

²⁾ this figure includes subcontractors

USE OF ARABLE LAND ON ORGANIC FARMS

Certified organic area, ha	1995 ¹⁾	2005	2014	2015
Grass	11 431	60 195	91 482	114 257
Cereals	8 158	46 362	57 093	50 445
wheat	724	6 629	6 861	5 682
rye	1 616	4 594	4 904	5 143
barley	2 118	6 760	7 166	5199 ¹⁾
oats	2 447	23 134	24 047	24 242
mixed : straw grains	302	2 798	2 859	3 163
mixed: legumes+straw grains	927	1 842	11 256	6 747
Peas	120	1 289	1 205	2 697
Buckwheat	23	185	328	432 ¹⁾
Caraway	9	355	180	148 ¹⁾
Flax	22	277	98	153
Turnip rape	64	2 419	2 271	2 589
Potatoes	423	440	466	544
Vegetables, open land	197	211	268	259
Greenhouse vegetables	2	9	9	9
Leafherbs	17	16	69	12 ¹⁾
Berries and fruits	256	800	701	650
Other crops	395	3 672	11 772	15 319
Fallow	2 022	19 178	22 754	3 937
Total	23 139	135 223	188 720	235 836

Source: Finnish Food Safety Authority Evira

¹⁾ Åland not included

Figures for the traditional use of arable land are on page 19.

ORGANIC PRODUCTION

	2007 mil- lion kg	% of total produc- tion	2014 mil- lion kg	% of total produc- tion	2015 million kg	% of total produc- tion
Beef	..	..	2.1	2.6	2.95	3.4
Pork	..	..	0.7	0.4	0.72	0.4
Lamb	..	..	0.2	22.4	0.27	23.0
Poultry	..	..	0.08	0.1	0.21	0.2
Eggs	1.1	2.0	2.8	4.5	3.1	4.7
Bread grain (wheat and rye)	18.2	2.1	23.9	2.1	21.2	2.3
Potato	0.3	0	4.9	0.8	4.8	0.9
Peas	1.2	18.8	2.7	18.9	5.0	19.7
Milk. million litres	26.8	1.2	47.2	2.1	54.2	2.3

Source: Suomen Gallup Elintarviketieto Oy, Finnish organic food association Pro luomu, Natural Resources Institute Finland

In 2015, the market share of organic produce was 1.8 %.

Source: Finnish organic food association Pro luomu

ENVIRONMENTAL AID

Farms committed to environmental aid	2012	2015
Number	56 143	45 624
% of farms	91	86
% of areable area	90	90

Source: Agency for Rural Affairs

VOLUME OF PESTICIDES SALES

	1995	2005	2013	2014
Active ingredient sales (tonnes)				
fungicides	114	255	217	204
agricultural insecticides	57	47	26	24
agricultural herbicides	791	1 077	1 133	1 306
growth regulations	73	52	100	886
Product sales (tonnes)				
fungicides	236	718	817	809
agricultural insecticides	160	147	184	118
agricultural herbicides	1 768	2 639	2 909	3 334
growth regulations	131	107	184	167

Source: Finnish Safety and Chemicals Agency

Product safety

PESTICIDE RESIDUE CONTROL 2015 ¹⁾

Source of sample	Random samples	Non-compliant %
Domestic	304	0.0
EU	842	1.0
Outside of EU	942	3.0
In total	2 088	4.0

Source: Finnish Food Safety Authority Evira

¹⁾ samples from fruits, plants, grains, processed foodstuffs, baby food and products of animal origin.

SUBSTITUTING FOR AGRICULTURAL ENTREPRENEURS

	2000	2005	2014	2015
MYEL ¹⁾ -insured agricultural entrepreneurs	105 993	90 007	67 859	64 277
Those using annual leave ²⁾	45 254	34 719	20 811	19 800
Those using substitutes	14 934	14 624	8 398	7 833
Those using substituting subject to subsidised charge	10 995	13 521	10 939	10 291
Those using substituting subject to total charge	643	314	663	590

Source: Mela

¹⁾ Farmers' Social Insurance Institution²⁾ to receive annual leave, a farmer must have at least four domestic animal units, and they must be a full-time agricultural entrepreneur.

Locality

NUMBER OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Farm size Hectares of arable land	1995 pcs	2005 pcs	2014 ¹⁾ pcs	2015 ¹⁾ pcs	% of farms	% of arable lands
0–5	9 988	5 228	3 011	2 076	4	0
5–10	17 049	8 765	5 927	6 405	13	2
10–15	16 918	8 481	5 622	5 275	10	3
15–25	25 634	13 989	9 205	8 800	17	8
25–50	23 870	19 660	13 798	13 055	26	21
50–75	4 508	7 549	6 868	6 732	13	18
75–100	1 209	3 116	3 643	3 645	7	14
100–150	622	1 990	2 979	3 119	6	17
150–	166	739	1 722	1 892	4	18
Total	99 964	69 517	52 775	50 999	100	100

Source: Natural Resources Institute Finland

In 1995 farms with over 1 ha arable land

¹⁾ the definition of an agricultural and horticultural enterprise was revised. The figures cannot be compared with figures from previous years.

CHANGE IN NUMBER OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Farms	2000	2014 ¹⁾	2015 ¹⁾	Change 15/14 %
pcs	78 434	52 775	50 999	-4

Source: Natural Resources Institute Finland

¹⁾ the definition of an agricultural and horticultural enterprise was revised.
The figures cannot be compared with figures from previous years.

OWNERSHIP OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Category	1995 pcs	2005 pcs	2014 ¹⁾ pcs	2015 ¹⁾ pcs	% farms
Private individuals	86 933	61 477	45 721	44 088	86.4
Heirs	12 468	7 297	5 811	5 646	11.1
State, communes etc.	563	743	1 243	1 265	2.5
Total	99 964	69 517	52 775	50 999	100

Source: Natural Resources Institute Finland

In 1995 farms with over 1 ha of arable land

¹⁾ the definition of an agricultural and horticultural enterprise was revised.
The figures cannot be compared with figures from previous years.

AGRICULTURAL LABOUR FORCE

Labour force in thousands	1995	2005	2014	2015
Farmers	116	73	60	58
of which women	37	22	17	16
Permanent employees	25	20	16	17
of which women	12	9	8	7
Total	141	93	76	75

Source: Source: Statistics Finland / Labour force survey

SPECIALIZATION IN AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Number of farms	1995 ¹⁾	2010	2014	2015	%
Dairy farms	32 480	10 205	8 084	7 730	15
Other cattle husbandry	9 394	1 270 ²⁾	763 ²⁾	655 ²⁾	1
Beef farms	..	3 080	3 040	3 036	6
Pig farms	6 249	1 355	932	789	2
Poultry farms	2 239	375	423	412	1
Other grazing livestock ³⁾	..	3 544	3 143	2 680	5
Plant production	42 287	..	34 144	..	..
of which grain growing	..	20 927	19 216	17 757	35
Other plant production	..	13 092	12 553	13 496	26
Others	7 315	..	5 389	..	..
Greenhouse production	..	1 371	886	884	2
Outdoor horticultural production	..	1 696	1 489	1 466	3
Mixed production	..	2 568	2 246	2 094	4
Total	99 964	58 213	52 775	50 999	100

Source: Natural Resources Institute Finland

¹⁾ the figures cannot be compared with figures from 1995.

²⁾ includes combined suckler cow production and cattle fattening.

³⁾ includes sheep, goat and horse production.

INCOME OF AGRICULTURAL AND HORTICULTURAL ENTERPRISES PER PRODUCTION SECTOR

	Taxable income total spouses together			Farm economy's income spouses together		
	2000	2013	2014	2000	2013	2014
	€	€	€	€	€	€
Dairy farms	31 746	63 617	69 312	24 812	50 955	55 864
Other cattle farms	30 129	56 817	60 006	15 878	30 649	32 826
Poultry farms	45 752	85 064	91 858	28 624	54 536	58 625
Pig farms	41 644	72 500	85 064	28 421	47 985	47 011
Sheep, goats, horses	29 434	53 810	52 518	3 704	8 789	9 441
Crop farms (grain)	38 623	62 128	64 514	10 999	16 321	16 461
Other crop farms	35 760	57 730	59 057	11 695	16 459	16 362
Other farms	28 901	59 651	63 381	6 524	12 350	16 521
Average	35 235	61 243	63 784	16 324	24 326	25 110

Source: Statistics Finland

OTHER ENTREPRENEURSHIP ON AGRICULTURAL AND HORTICULTURAL ENTERPRISES

Number of farms	2000 ¹⁾	2005 ¹⁾	2010	2013
Industry	4 786	3 753	2 747	2 245
food processing	1 065	684	479	381
other agricultural products processing	134	152	94	78
timber processing	1 349	889	583	405
making handicrafts for sale	274	277	155	79
energy production	959	1 037	907	855
other industrial production	1 005	714	529	448
Construction industry	²⁾	881	438	344
Trade	1 056	1 298	850	986
Services	15 252	16 547	13 793	12 419
tourism, accommodation and recreation services	2 272	1 865	1 440	1 180
contracting	8 880	10 013	8 896	8 583
other services	4 100	4 669	3 457	2 656
Other primary production	744	1 815	981	808
fish, crayfish etc. farming	112	65	48	51
fur farming	632	510	315	280
reindeer husbandry	²⁾	573	365	310
fishing industry	²⁾	144	104	62
other primary production	²⁾	523	149	103
Farms whose line of business is unknown			721	..
Number of farms with other entrepreneurship	21 838	24 294	19 530	16 802

Source: Natural Resources Institute Finland, MTT, Agrifood Research Finland

¹⁾ figures for 2000 and 2005 do not include horticultural enterprises engaged exclusively in greenhouse production.

²⁾ the classification is somewhat different; the industry in question was not included in that particular year.

NB The line of business with the largest turnover.

USE OF ARABLE LAND

	1995 1 000 ha	2005 1 000 ha	2014 ¹⁾ 1 000 ha	2015 ¹⁾ 1 000 ha
Grassland	755	620	652	653
Cereals. total	978	1 188	1 193	1 138
wheat	101	215	272	249
rye	21	14	24	32
barley	516	595	532	513
oats	329	346	326	307
mixed grain	11	16	37	36
other cereals	1	1	2	3
Oil plants	85	77	44	57
Sugar-beets	35	31	14	13
Potatoes	36	29	22	22
Other crops	29	49	58	4
Area in production	1 918	1 993	1 983	1 970
Fallow	223	241	247	271
Cultivated area	2 141	2 235	2 230	2 241

Source: Natural Resources Institute Finland

¹⁾ only includes enterprises that exceed the threshold value

	1995 ha	2005 ha	2013 ha	2014 ha
Mean arable land	21.7	33.0	43.0	44.0

Source: Natural Resources Institute Finland

CROP

	1995	2005	2014	2015
Wheat				
area (in 1 000 ha)	101	215	267	242
total yield (M kg)	380	801	1088	992
yield kg/ha	3 770	3 730	4 070	4 100
Rye				
area (in 1 000 ha)	21	14	24	31.4
total yield (M kg)	58	32	75	108
yield kg/ha	2 770	2 290	3 160	3 420
Barley				
area (in 1 000 ha)	516	594	497	451
total yield (M kg)	1 764	2 103	1 855	1 569
yield kg/ha	3 420	3 540	3 730	3 470
Oats				
area (in 1 000 ha)	329	345	305	281
total yield (M kg)	1 097	1 073	1 039	980
yield kg/ha	3 330	3 110	3 410	3 480
Sugar-beets				
area (in 1 000 ha)	35	31	14	12
total yield (M kg)	1 110	1 181	626	407
yield kg/ha	31 900	37 870	45 820	32 740
Oil plants				
area (in 1 000 ha)	85	77	43	55
total yield (M kg)	128	106	62	85.3
yield kg/ha	1 500	1 380	3 140	1 540
Peas				
area (in 1 000 ha)	5	4	6	12
total yield (M kg)	11	8	14	25
yield kg/ha	2 420	93	2 540	2 130
Potatoes				
area (in 1 000 ha)	36	29	22	22
total yield (M kg)	798	743	600	532
yield kg/ha	22 110	25 700	27 300	24 310
Vegetables				
total yield (M kg)	234	248	269	249
tomatoes	31	38	40	39
cucumber (greenhouse)	24	32	38	40
cabbage	24	19	24	21
carrots	61	67	74	64
onions	17	21	26	27
Potted vegetables (M pcs)	30	64	108	112

Source: Natural Resources Institute Finland

AGRICULTURAL PRODUCTION COSTS

	2000 MEUR	2005 MEUR	2013 MEUR	2014 MEUR
Material costs	1 525	1 628	2 235	2 037
Fertilizer, lime	193	185	285	289
Other crop production costs	264	324	388	350
Fuel and lubricants	189	207	341	294
Electricity	114	102	207	150
Forage costs	482	454	620	518
Livestock costs	282	357	395	436
Farm operating costs ¹⁾	318	314	536	498
Machinery cost	757	885	1 104	1 082
Depreciation of machines	445	545	595	582
Other machinery costs	311	340	508	500
Building costs	301	329	379	383
Depreciation of buildings	237	273	306	310
Other building costs	64	57	73	74
Other cost	641	785	920	926
Insurance cost paid	227	262	318	312
Fixed rents paid	82	104	150	170
Other depreciations	44	45	50	50
Other costs	288	373	403	394
Wages costs	1 493	1 771	1 482	1 403
Wages paid	190	180	236	234
Wages claim	1 303	1 591	1 246	1 169
Interest costs	598	622	734	729
Interest paid	133	114	111	107
Interest claim of equity	465	508	615	621
Total costs	5 631	6 335	7 382	7 059

Source: MTT Economydoctor. Total Calculation of Agriculture.
Data: MTT Profitability bookkeeping results.

¹⁾ costs of feedstuff and seeds produced and used on the farm

AGRICULTURAL GROSS RETURN

Income from	2000 MEUR	2005 MEUR	2013 MEUR	2014 MEUR
Crop revenues total	881	720	1 161	1 065
Rye and wheat	84	74	160	151
Barley	171	155	283	261
Oats and other cereals	139	80	163	138
Oilseeds	15	19	48	28
Grass crops	269	218	397	401
Potato and sugar beet	183	158	82	59
Pulses and other crops	21	16	26	27
Livestock revenues total	1 612	1 653	2 154	2 050
Cattle revenue	1 089	1 094	1 510	1 469
Pig production	311	360	373	286
Poultry revenues	204	194	219	247
Sheep and goat revenues	9	6	53	49
Glasshouse and outdoor horticultural revenues total	549	517	614	550
Financial yields	16	14	12	10
Other income	147	168	209	182
The sum of subsidies	1 776	1 966	1 998	1 966
CAP subsidies	385	514	596	575
LFA- and environmental subsidies	721	747	814	806
National and investment subsidies	667	702	584	581
Gross return total	4 981	5 038	6 148	5 824

Source: MTT Economydoctor. Total Calculation of Agriculture.

Data: MTT Profitability bookkeeping results

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

BEEKEEPING FIGURES

	2014	2015
The Finnish Beekeepers' Association members	2 256	2 441
Professional beekeepers ¹⁾	65	70
Organic beekeepers	61	61
Number of productive beehives (overwintered)	60 000	61 000
Number of organic beehives	4 915	4 456
Yield per beehive, kg	55	30
Honey production, tonnes	2 600	1 500
Imported honey, tonnes	1 605	1 560
Honey consumption, tonnes	3 200	3 556
Honey consumption, g/person	591	646
Winter beehive losses ²⁾ , %	7	13
Gross profit, beekeeping ³⁾ , €	27 200	28 000
The share of organic production and consumption, %	..	9

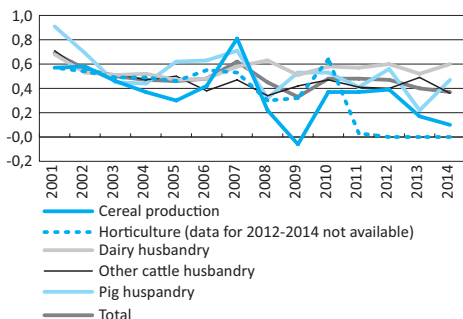
Source: Suomen Mehiläishoitajain Liitto SML ry (The Finnish Beekeepers' Association), Natural Resources Institute Finland, Finnish food Authority Evira, National Board of Customs

¹⁾ beekeepers with more than 100 hives according to hive grant statistics

²⁾ percentage of bees that died during the winter

³⁾ estimates from 2013, 2014 and 2015

PROFITABILITY COEFFICIENT ON THE FINNISH FARMS 2001–2014



Source: Total Calculation of MTT Economic Research

ENTREPRENEURIAL INCOME

	2000 MEUR	2005 MEUR	2013 MEUR	2014 MEUR
Entrepreneurial income	1 114	808	625	550

Source: MTT Economydoctor. Total Calculation of Agriculture.

Data: MTT Profitability bookkeeping results

PRODUCER PRICES

Annual average		1995	2005	2014	2015	Change 14/15 %
Milk	c/ltr					
producer price ¹⁾		31.3	31.5	40.6	34.1	-16.2
surplus payment		1.5	2.2	1.1	0.6	-45.7
Meat	€/kg					
beef		2.4	2.1	3.0	2.9	-4.6
pork		1.3	1.3	1.6	1.5	-8.1
chicken		1.1	1.1	1.5	1.4	-6.9
lamb		1.9	2.6	4.0	3.8	-5.5
horse		1.3	0.3	..	..	..
Eggs	€/kg	0.5	0.6	1.0	1.0	2.5
Grain and rootcrops						
wheat ²⁾	€/tn	147.0	106.2	166.9	167.4	0.3
rye ²⁾	€/tn	149.5	118.4	196.6	174.9	-11
barley ²⁾	€/tn	122.3	99.5	132.8	136.8	3
oats ²⁾	€/tn	118.4	87.1	126.3	132.9	5.2
malt ²⁾	€/tn	142.1	115.3	159.2	158.7	-0.3
food						
potatoes ³⁾	€/100 kg	..	..	14.6	17.7	21.4
oil plants ²⁾	€/tn	..	200.1	361.7	356.5	-1.4

Source: Natural Resources Institute Finland

¹⁾ 1st class milk 4.3/3.3 %. without production aid.

²⁾ the basic price paid to farmers including transportation to the first reception point.

³⁾ the price paid to farmers per 100 kg net. delivered to the packing facilities. Does not include early potatoes.

LIVESTOCK

In thousands	1995	2005	2014	2015
Horses	50	64	75	74
Cattle	1 148	959	914	918
dairy cows	399	319	285	285
suckler cows	29	35	58	59
Sheep ¹⁾	159	87	138	155
ewes	69	52	69	81
lambs and rams	90	35	69	81
Pigs ²⁾	1 400	1 401	1 245	1 235
sows	161	177	121	102
fattening pigs	451	460	464	570
piglets	476	451	362	539
Poultry	10 358	10 538	12 577	12 020
hens	4 179	3 128	3 645	3 521
broilers	4 276	5 472	7 341	6 992
turkeys	80	495	292	247
Goats	6	7	4	5
Reindeer	208	207	187	191

Source: Natural Resources Institute Finland, Statistics Finland,
The Finnish trotting and breeding association

¹⁾ 2015 sheep statistics are not comparable with previous figures.

²⁾ the definitions of pigs changed from 2015. Only class 'Pigs' is comparable with previous year.

AVERAGE NUMBER OF ANIMALS IN FARMS

Animals pcs/farms	2012	2014 ¹⁾	2015 ¹⁾
Pigs	1 175	1 336	1 565
Cattle	70	77	80
Poultry	32 412	29 733	29 174

Source: Natural Resources Institute Finland

¹⁾ the definition of an agricultural and horticultural enterprise was revised in 2013. The figure for 2012 has been counted retrospectively. The figures cannot be compared with figures from previous years.

PROTECTION OF ANIMALS INSPECTIONS BASED ON SAMPLE

Item	Inspections			Cases of neglect		
	2011	2014	2015	2011	2014	2015
Pigs	52	55	35	13	16	7
Cattle	362	200	181	97	46	42
Poultry	26	5	6	5	0	0
Broiler chickens	..	3	9	..	0	2
Goats	12	4	8	0	0	0
Ducks and geese	8	1	7	0	0	1
Sheep	32	12	35	8	0	6

Source: Finnish Food Safety Authority Evira

PREVENTION OF CRUELTY TO ANIMALS INSPECTIONS IN COMMERCIAL ANIMAL DELIVERIES

	2005	2011	2014	2015
Inspections (no.)	451	387	418	382
Cases of neglect (%)	24	16	12	10

Source: Finnish Food Safety Authority Evira

FARMS RECEIVING ANIMAL WELL-BEING SUBSIDIES ¹⁾

Number of farms	2013	% of farms	2014	% of farms	2015	% of farms
Beef farms	5 006	39	4 875	40	4 842	42
Pork farms	757	48	715	49	767	55
Sheep/goat farms ²⁾	..	..	..	..	340	82
Poultry farms ²⁾	..	..	..	..	326	47

Source: Mavi

¹⁾ subsidised farms

²⁾ sheep, goat and poultry farms started receiving welfare support in 2015

IMPLEMENTATION OF ANIMAL WELFARE ON PIG AND COW FARMS

Animals and animal well-being

	Health care agreement with a vet		Coverage %		At special level ¹⁾		At national level ²⁾		At basic level ³⁾		Passive ⁴⁾		Health care visits	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
Pig farms (places of keeping pigs)	1 528	1 266	91	84	60	51	1 366	1 219	61	43	101	42	6 285	6 131
Cow farms	7 580	7 303	57	58	..	..	..	..	..	..	..	..	5 745	5 589

Source: ETT (the Association for Prevention of Animal Diseases), Sikava (Health Classification Register for Pig Farms) and Naseva (Health Classification Register for Cow Farms)

¹⁾ meets the voluntary special requirements set by the industry for pig breeding farms www.sikava.fi

²⁾ meets the voluntary health care requirements set by the industry

³⁾ some of the voluntary national requirements are not met

⁴⁾ empty pens

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

RESPONSIBLE PRODUCTION LIMIT VALUES IN PORK PRODUCTION

Period	Farms ¹⁾		RPI exceeded ¹⁾ , fattening pigs			RPI exceeded ¹⁾ , sows	
	under RPI	RPI exceeded	whole carcass	part-carcass	mortality	whole carcass	mortality
1_2015	93.0	7.0	0.6	1.5	3.9	1.4	0.2
2_2015	92.7	7.3	0.8	1.4	3.4	0.9	1.3

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 25 % and fattening pigs 4 %.

¹⁾ percentage of farms in proportion to all farms

USE OF ANTIMICROBIAL AGENTS IN FOOD-PRODUCING ANIMALS

	EU/EEA, average			Finland		
	2010 ²⁾	2012 ³⁾	2013 ³⁾	2010	2012	2013
mg/PCU ¹⁾	131	144	148	25	24	25

Source: The European Medicines Agency EMA, ESVAC

¹⁾ 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 were calculated by dividing the total sales of veterinary antimicrobials in all participating countries by the combined PCU of these countries.

²⁾ number of participating countries: 19

³⁾ number of participating countries: 26



THE FOODPAD DERMITIS SCORE THAT MEASURES THE WELL-BEING OF BROILER CHICKENS

	Share of flocks, %, with a score of less than 40	Share of flocks, %, with a score of 40-80	Share of flocks, %, with a score of more than 80
2014	98.1	1.8	0.2
2015	98.1	1.6	0.3
Total	98.1	1.7	0.2

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.

HENNERIES

Henneries type	% of egg-production		
	2010	2014	2015
Enriched cage	89	62	63
Floor	9	33	32
Organic	2	4	5

Source: Suomen siipikarjaliitto (Finnish Poultry Association), Gallup farm and food facts

BARN TYPES 2015

	Number of barns	%	Cows	%	Average number of cows/ farm
Tie stall barn	3 772	67	101 467	45	26.9
Free stall barn	1 842	32	123 230	54	66.9
Other	54	1	2 619	1	48.5
Total	5 668 ¹⁾	100	227 316	100	39.4

Source: ProAgria

¹⁾ All cows are not included

Tie stall barn: Cow is connected to stall from its head.

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

Cattle	2010	%	2015	%
	no.		no.	
Graze in the summer, time outdoors in the winter	455	7.9	446	8.1
Graze in the summer, indoors in the winter	3 895	67.8	3 711	67.0
Fenced walking area in the summer, time outdoors in the winter	103	1.8	102	1.8
Fenced walking area in the summer, indoors in the winter	347	6	337	6.1
Indoors in the summer and in the winter	946	16.5	943	17.0
In total	5 746	100	5 539	100

Source: ProAgria

MILKING MACHINES 2015

Milking machine type	Farms	%
Pipeline milking	3 567	64.7
Milking station	1 050	19.3
Bucket milking machine	70	1.3
Robotic milking	812	14.7
In total	5 499	100.0

Source: ProAgria

AVERAGE YIELD PER COW AND MILK CONTENTS 2015

Breed	Cows number	Average output kg/cow	Milk contents. %			
			Pro- tein	Fat	ECM ¹⁾	Cells ²⁾
Ayrshire	110 972	9 055	3.55	4.41	9 645	165
Holstein	87 515	10 017	3.44	4.12	10 233	186
Finncattle	2 276	6 272	3.48	4.44	6 671	179
Eastern Finncattle	314	3 838	3.47	4.25	4 012	178
Western Finncattle	1 521	6 974	3.49	4.48	7 446	175
Northern Finncattle	441	5 589	3.43	4.39	5 894	193
Jersey	559	8 076	3.77	5.07	9 411	183
Other	199	8 523	3.54	4.27	8 920	160
All	201 521	9 438	3.50	4.28	9 866	175

Source: ProAgria

¹⁾ energy-corrected milk output (milk's butterfat, protein and lactose content is taken into account)

²⁾ somatic cell count, geometric mean

FOOD CONSUMPTION PER CAPITA IN FINLAND AND IN THE EU

Consumption kg/ capita	1995	2005	2011	2014	EU-27 ¹⁾	2015 f.
Grain	69.8	78.8	78.8	80.0	124.9	78.8
Potatoes	59.6	62.0	..	52.3	71.9	..
Meat, total ²⁾	60.3	73.0	77.6	76.6	82.5	79.4
beef and veal	18.8	18.6	18.6	18.7	15.7	19.2
pork	32.0	33.5	36.4	34.6	40.4	35.1
poultry meat ²⁾	9.0	16.1	18.2	20.1	21.7	21.6
other meat	0.6	4.8	4.4	3.2	4.8	0.5 ³⁾
Liquid milk prod- ucts, total (litres)	198.1	189.7	183.8	178.4	240.1 ⁴⁾	173.7
milk	145.6	134.6	127.6	130.9	..	127.0
sour milk products	37.1	36.8	40.7	35.3	..	34.4
cream	6.3	5.8	6.3	6.5	4.0	6.7
Butter	5.2	2.7	4.1	3.9	3.7	3.4
Vegetable oils	..	..	..	5.2	..	3.4
Cheese	15.3	18.6	22.5	24.9	..	26.6
Ice cream (litres)	14.1	14.0	12.3	..	..	..
Eggs	11.7	9.3	10.0	10.8	12.0	11.5
Sugar	35.4	32.0	30.1	29.5	33.3	29.3
Fruit	75.9 ⁵⁾	75.9	58.2 ⁶⁾	61.2 ⁶⁾	100.1 ⁵⁾	65.3 ⁶⁾
Vegetables	61.7	68.4	..	65.3	115.8	62.3
Fish (gutted)	14.0	14.1	15.2	..	..	..
Coffee (roasted)	8.3	9.6	12.7	9.5	4.8	12.2
Soft drinks (litres)	45.8	52.0	56.0	44.4	..	43.3
Beer (litres) ⁷⁾	82.7	90.6	89.0	84.1	70.1	76.8
Wine (litres)	8.2	10.8	..	11.8	24.4	11.5
Spirits (litres)	4.9	6.7	5.4	4.6	..	4.5

Source: Gallup Food and Farm Facts, Natural Resources Institute Finland, FAO – Statistics Division – Food Balance Sheet, Canadian, ICO (International Coffee Organization), The Finnish Food and Drink Industries' Federation, Federation of The Brewing and Soft Drinks Industry

¹⁾ in 2011

²⁾ the calculation bases were changed in 2007–2012

³⁾ excluding artiodactyla, hares and other game

⁴⁾ dairy products, excluding butter

⁵⁾ including berries

⁶⁾ excluding fruit juice

⁷⁾ since 2009 also private importing included

AVERAGE DAILY INTAKE OF ENERGY-YIELDING NUTRIENTS AND FIBRE AND PERCENTAGE OUT OF THE TOTAL ENERGY INTAKE

	Intake per day		E % ¹⁾		Recommendation
	Men	Women	Men	Women	
Protein, g	95.0	72.0	17.3	17.2	10–20 E%
Fat ²⁾ , g	93.0	71.0	37.0	35.9	25–40 E%
Saturated fat ³⁾ , g	39.0	30.0	15.5	15.1	< 10 E%
Monounsaturated fat ³⁾ , g	36.0	27.0	14.5	13.8	10–20 E%
Polyunsaturated fat ³⁾ , g	17.2	13.4	6.9	6.9	5–10 E%
Carbohydrates, g	230.0	186.0	42.2	43.9	45–60 E%
Sucrose, g	51.0	43.0	9.2	10.0	≤ 10 E%
Fibre g/MJ	2.4	2.9			3 g/MJ
Energy, MJ (kcal)	9.4 (2 243)	7.3 (1 733)			

Source: The National Findiet 2012 Survey
25–64 years old

Energy includes fibre and alcohol

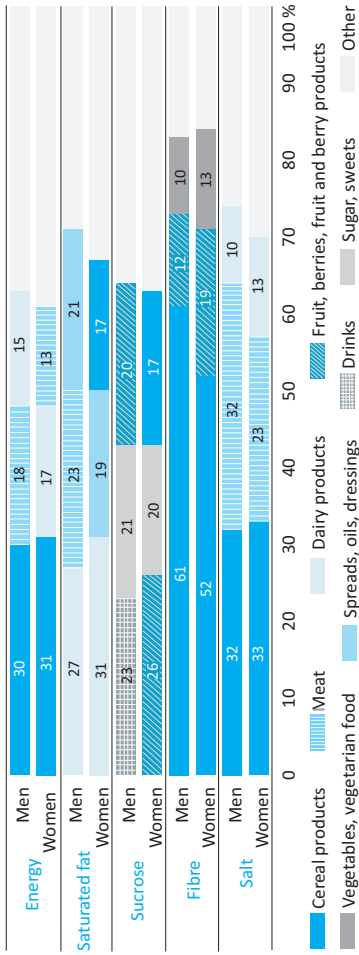
¹⁾ percentage of nutrient intake out of the total energy intake

²⁾ crude fat

³⁾ as triglycerides

MOST IMPORTANT SOURCES OF ENERGY AND NUTRIENTS

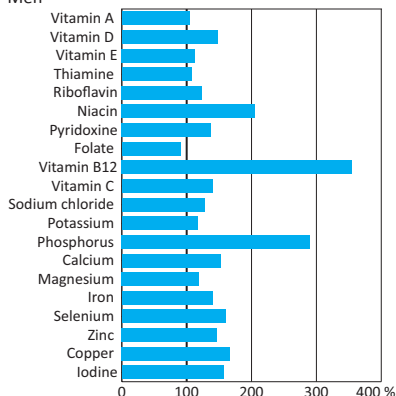
Nutrition



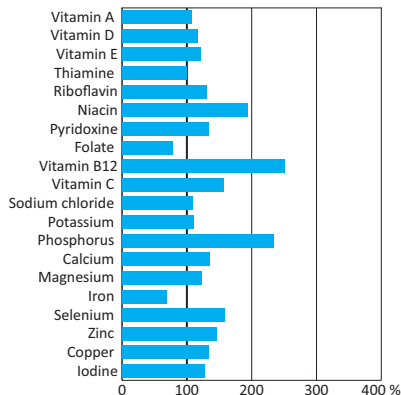
Source: The National FINDIET 2012 Survey
25–64 years old

ACTUAL VITAMIN AND MINERAL INTAKE COMPARED TO THE RECOMMENDATIONS (% of recommendations)

Men



Women



Source: The National FINDIET 2012 Survey
25–64 years old

FINNS' DAILY MEALS (percentage)

Nutrition

Children/teenagers ⁴⁾

Older people

Working-age population

Primary school ⁵⁾ Secondary school ⁶⁾ Upper secondary school/vocational school ⁷⁾

	Boys		Girls		Boys		Girls		Boys		Girls		Men		Women	
Breakfast	90		91		63 ⁸⁾		67 ⁸⁾		57		60		91		95	
Lunch	96		94		85 ⁸⁾		73 ⁸⁾						84		86	
Dinner	86		91		77 ⁸⁾		67 ⁸⁾						83		81	
Snack ¹⁾	70		68		29 ⁸⁾		35 ⁸⁾						88		95	
Evening snack	92		87		69 ⁸⁾		64 ⁸⁾						80		85	
Drink as a meal ²⁾													86		84	
School meal					68		67		71		72					
Meal with family ³⁾					52		44		44		38					

The National FINDIET 2012 Survey, Late-tutkimus, Kouluterveystutkimus 2015 (Late Study, School Health Study 2015)

¹⁾ for children, snack in the afternoon

²⁾ meal that only consists of a drink

³⁾ meal in the afternoon or evening when the family eats together

⁴⁾ for children and teenagers, the meals eaten on weekdays

⁵⁾ primary school classes 1 and 5

⁶⁾ secondary school classes 8 and 9

⁷⁾ 1st and 2nd year students at upper secondary and vocational schools

⁸⁾ secondary school class 8

HEALTH BEHAVIOUR 2015 (%)

	All	aged 20–54	aged 55–74	75+
Access to a canteen at work or school	57.5	58.4	47.1	..
Eat few vegetables	27	25.1	26.7	38.4
Do not eat fish every week	17.8	23.3	10.8	9.1
Butter or butter/vegetable oil spread every day	36.7	33	38.9	50.1
Coffeebread, Danish pastries, biscuits etc. every day	7.5	3.9	10.8	17
Drink too much alcohol	28	34.1	24.6	4.8
Smoke every day	14.2	16.2	14.4	3.2
Obese BMI ≥ 30	18.8	17	22.3	17.6
Do not exercise	20.8	17.8	22	32.9
Sleep				
Less than 6 hours	4			
6–8.9 hours	87			
9 hours or more	9			

Source: The Regional Health and Well-being Study ATH 2013–2015, The National Finrisk 2012 Study

LEVEL OF SELF-SUFFICIENCY IN FOOD PRODUCTS

Ratio of production to consumption %	1994	2005	2014	2015
Bread grain	75	102	155	115
Dairy products, liquid milk	112	106	97	97
Beef and veal	111	89	81	82
Pork	113	116	99	100
Eggs	130	119	113	114
Sugar	68	83	51	33
Tomato	..	62	58	57
Cucumber	..	74	80	78
Carrot ¹⁾	..	94	92	90
Onion ²⁾	..	80	92	66
Cauliflower	..	62	82	..
Strawberry	..	67	68	71
Raspberry	..	24	23	27
Apple ³⁾	..	21	9	11
Apple (includes private gardening)	..	31	20	14

Sources: Gallup Food and Farm Facts, Finnish Horticultural Products Society, Finnish Association of Fruit and Berry Growers, National Board of Customs, The Central Union of Agricultural Producers and Forest Owners, Natural Resources Institute Finland

¹⁾ including turnip

²⁾ excluding garlic and leek

³⁾ numbers are estimates (do not include private gardening)

SHARE OF THE ECONOMY FOR FOOD PROCESSING IN THE REGIONS ¹⁾

Finland, total 7,1 %
13.2 billion euros
95 860 man-years

Lapland 2.5 %
132.3 MEUR
1 183 man-years

North Ostrobothnia 7.7 %
891.8 MEUR
7 105 man-years

Central Ostrobothnia 10.6 %
234.1 MEUR
2 389 man-years

Kainuu 1.8 %
36.3 MEUR
383 man-years

Ostrobothnia 5.7 %
341.5 MEUR
3 509 man-years

Pohjois-Savo 9.5 %
664.5 MEUR
6 771 man-years

South Ostrobothnia 25.4 %
1 326.2 MEUR
10 300 man-years

Central Finland 5.4 %
438.3 MEUR
4 010 man-years

North Karelia 5.3 %
219.2 MEUR
2 597 man-years

Satakunta 7.6 %
544.9 MEUR
5 013 man-years

Pirkanmaa 4.8 %
785.4 MEUR
6 910 man-years

Etelä-Savo 4.2 %
165.4 MEUR
1 714 man-years

South Karelia 4.2 %
174.7 MEUR
1 626 man-years

Varsinais-Suomi 9.7 %
1 451.3 MEUR
10 832 man-years

Kymenlaakso 4.6 %
247.9 MEUR
1 825 man-years

Åland 6.5 %
69.7 MEUR
601 man-years

Uusimaa 5.8 %
4 002.2 MEUR
19 004 man-years

Kanta-Häme 12.2 %
666.7 MEUR
5 210 man-years

Päijät-Häme 13.2 %
824.5 MEUR
4 877 man-years

Source: University of Helsinki, the Ruralia Institute

¹⁾ of gross domestic product

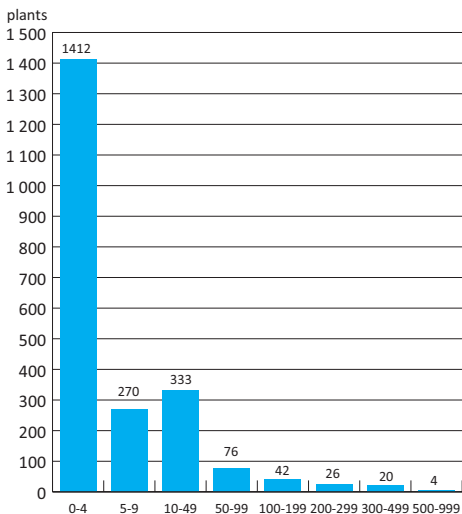
FOOD MANUFACTURERS BY SECTOR

Economy

Sector	2000		2013		2014	
	< 20 people	≥ 20 people	< 20 people	≥ 20 people	< 20 people	≥ 20 people
Slaughter and meat processing	330		50	374	385	42
Fish processing	243		13	298	300	15
Processing of vegetables, berries and fruit	373		22	439	433	27
Dairy processing	108		42	81	89	32
Milling industry	145		8	124	128	14
Bakeries	991		110	879	874	78
Production of beverages	85		14	116	128	19
Processing of other foodstuffs	330		48	351	343	43
Total	2 605		307	2 662	2 680	270

Source: Food Finland theme group

NUMBER OF EMPLOYEES WORKING IN FOOD AND DRINKS INDUSTRY PLANTS



Source: Statistics Finland

The number of employees in the majority of Finnish food and drinks industry plants is less than five.

FOOD INDUSTRY KEY SECTORS

Economy

Sector	Number of plants		Employees total ¹⁾		Turnover € 1 000		Turnover employees €/ 1 000	
	2013	2014	2013	2014	2013	2014	2013	2014
Slaughter and meat processing	245	243	7 473	8 045	2 553 036	2 434 172	342	303
Fish products	160	150	948	995	277 657	345 273	293	347
Fruit and vegetables	157	164	1 522	1 903	392 376	465 992	258	245
Processing and preserving of potatoes	51	49	419	395	136 741	115 122	326	291
Edible oils and fats	21	21	179	174	120 006	72 449	671	417
Dairy products and ice cream	91	82	4 742	4 902	2 580 575	2 476 479	544	505
Milling products and starch	77	72	611	571	347 037	351 160	568	615
Manufacture of bakery and farinaceous products	782	817	7 820	7 472	1 052 096	1 032 768	135	138
Manufacture of other food products	258	269	5 747	5 627	1 798 251	1 817 825	313	323
Sugar	3	3	..	290	..	280 611	..	969
Chocolate, cocoa and confect.	44	45	1 639	1 483	419 751	388 501	256	262
Processing of tea and coffee	11	13	..	429	..	331 663	..	773
Convenience food	76	76	2 099	2 009	385 286	387 076	184	193
Food preparations and dietetic food	9	9	281	319	102 638	117 316	366	367
Soft drinks	141	143	3 116	2 761	1 260 829	1 157 348	405	419
Alcoholic beverages	18	19	704	677	277 697	267 042	394	394
Food industry, total	1 874	1 904	29 949	30 684	9 783 240	9 657 459	327	315

Source: Statistics Finland, regional and industrial statistics on manufacturing

¹⁾ 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.

IMPORT AND EXPORT OF FOODSTUFFS

Product group	Import MEUR		
	1995	2005	2014 ¹⁾
Industrial products			
Drinks	..	..	441.8
Alcoholic beverages	99.5	267.8	342.5
Beer	7.4	20.6	37.0
Soft drinks and mineral waters	4.0	33.5	48.3
Juices	9.1	13.0	75.2
Fats and oils	31.1	41.2	99.6
Butter	..	..	9.2
Canola oil	..	..	4.3
Margarin	6.9	23.6	33.7
Fruit and vegetable preserves	28.3	47.1	136.1
Vegetable preserves	18.2	38.7	64.0
Sugar and honey	1.3	2.2	43.1
Sugarchemical products	3.5	6.4	4.0
Honey	..	..	6.8
Coffee (instant and roasted)	11.3	19.7	59.3
Fish products	50.1	82.2	360.7
Fresh fish	14.4	65.6	196.8
Frozen fish products	..	..	35.6
Soups and stocks	8.5	12.8	38.9
Babyfood	2.0	9.3	21.9
Meat	57.3	102.8	331.0
Pork	..	..	61.0
Beef and veal	..	..	67.0
Poultry	..	..	26.2
Dairy products	63.6	178.8	406.6
Milk powder	..	..	3.0
Cheese	..	..	280.0
Malt	1.7	0.4	1.0
Frozen berries and vegetables	23.6	59.0	91.1
Frozen potatoes	..	..	25.3
Flour and milling industry products	1.4	3.0	124.7
Rye flour	..	..	0.6
Feed products	83.7	147.0	321.8
Sweets	90.9	134.7	215.5
Chocolate	..	..	93.8
Starch	69.5	82.0	101.6
All industrial products total ²⁾	860.1	1 781.6	3 135.6
Agricultural products			
Fruits	146.7	220.3	302.5
Cocoa beans	0.2	0.0	0.1
Raw coffee	124.3	115.7	160.9
Egg	0.1	1.3	2.4
Berries	2.6	5.7	14.6
Blueberry	..	..	1.5
Spices	4.4	6.8	12.4
Nuts	7.4	9.5	22.4
Raw sugar	17.7	26.7	82.2
Vegetables and potato	62.5	113.6	192.4
Grain	37.2	28.5	34.4
Oat	..	..	0.92
All agricultural products total ²⁾	1 335.8	2 448.3	1 134

Source: National Board of Customs, Finnish Food and Drink Industries' Federation

¹⁾ compilation of statistics changed in 2015. The 2014 and 2015 figures are not comparable with the previous figures

2015 ¹⁾	Change	Export MEUR			2015 ¹⁾	Change
	15/14 %	1995	2005	2014 ¹⁾		15/14 %
452.1	2.3	..	..	171.2	161.4	-5.7
350.9	2.5	40.1	73.4	147.8	139.6	-5.5
49.9	34.9	19.7	11.3	28.0	14.0	-50.0
49.9	3.3	7.4	4.8	8.2	7.3	-11.0
73.8	-1.9	13.0	2.1	6.5	4.7	-27.7
124.4	24.9	7.0	26.5	121.8	133.2	9.4
3.6	-60.9	..	..	96.5	116.2	20.4
6.9	60.5	..	..	9.0	5.2	-42.2
31.0	-8.0	30.7	32.7	6.9	5.3	-23.2
148.0	8.7	2.6	3.9	9.1	7.4	-18.7
64.3	0.5	2.4	4.9	4.4	3.0	-31.8
52.6	22.0	0.0	0.0	90.6	95.9	5.8
3.7	-7.5	13.4	81.5	66.3	75.7	14.2
8.3	22.1	..	..	0.01	0.03	78.6
60.4	1.9	21.9	8.0	30.5	19.2	-37.0
343.1	-4.9	13.2	9.6	38.4	31.8	-17.2
183.0	-7.0	2.3	0.0	21.6	19.0	-12.0
29.6	-16.9	..	..	10.7	7.6	-29.0
41.2	5.9	0.4	0.4	2.4	3.0	25.0
17.2	-21.5	7.4	4.9	9.6	6.3	-34.4
324,8	-1.9	26.4	91.5	114.1	112.8	-1.1
56.1	-8.0	..	..	61.1	67.4	10.3
62.8	-6.3	..	..	6.2	11.3	82.3
31.0	18.5	..	..	14.5	12.6	-13.1
403.1	-0.9	161.9	303.1	367.6	263.8	-28.2
2.7	-10.0	..	..	73.6	80.6	9.5
280.2	0.1	..	..	124.4	59.2	-52.4
2.0	100.0	15.7	21.9	15.4	15.7	1.9
97.5	7.0	9.0	18.2	25.2	28.6	13.5
25.6	1.2	..	..	0.9	0.5	-44.4
116.7	-6.4	4.3	7.7	43.0	46.2	7.4
0.2	-75.0	..	..	0.4	0.6	50.0
350.7	9.0	15.0	21.7	51.9	52.9	1.9
222.2	3.1	94.9	86.3	103.4	102.8	-0.6
97.7	4.2	..	..	63.1	61.7	-2.2
96.4	-5.1	8.5	15.7	11.6	11.2	-3.4
3 256.5	3.9	609.0	961.9	1 365.5	1 239.3	-9.2
309.4	2.3	13.0	0.8	1.5	1.5	0.0
0.2	100.0	0.0	0.0	0.003	0.002	0.0
183.1	13.8	2.3	0.0	11.0	11.7	6.4
3.1	29.2	7.1	6.6	11.8	12.4	5.1
15.8	8.2	0.8	0.2	3.1	3.3	6.5
0.67	-55.3	..	..	2.2	0.7	-68.2
12.9	4,0	1.5	1.9	6.9	8.2	18.8
32.3	44.2	0.1	0.0	0.2	0.3	50.0
51	-38.0	0.0	0.8	1.1	1.2	9.1
195	1.4	7.2	3.9	5.4	6.1	13.0
34.7	0.9	35.8	42.3	160.0	147.1	-8.1
1.2	30.4	..	..	69.5	62.1	-10.6
1 169	3.1	683.1	1 022.8	231.6	235.3	1.6

²⁾ the sum total of processed and agricultural products is the total value of exports and imports.

FOOD EXPORTS BY COUNTRY

Economy

Percentage of the total value of exports

1995	%	2005	%	2014 ¹⁾	%	2015 ¹⁾	%
Russia	29.5	Russia	19.7	Russia	2 140	Sweden	20.4
Sweden	14.2	Sweden	15.4	Sweden	2 060	Estonia	8.8
Estonia	6.9	Estonia	9.2	Estonia	980	Russia	7.6
Germany	5.1	U.S.	5.9	Germany	440	Germany	5.1
Belgium	4.4	Germany	5.3	China	350	The Netherlands	4.5
Norway	3.7	UK	4.4	U.S.	330	Denmark	3.4
U.S.	3.6	Poland	3.2	Denmark	310	France	3.2
UK	3.4	Norway	2.9	The Netherlands	310	U.S	3.0
Denmark	3.2	Denmark	2.8	Norway	290	China	2.7
Netherlands	2.8	France	2.8	Poland	270	Poland	2.4
Others	23.2	Others	28.4	Others	2 520	Others	38.8
Total	100	Total	100	Total	100	Total	100

Source: National Board of Customs, Finnish Food and Drink Industries' Federation

¹⁾ compilation of statistics changed from 2014. The figures are not comparable with the previous figures.

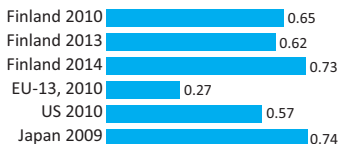
FOOD EXPORTS BY COUNTRY AND PRODUCT GROUP, EXPORTS 2015

Economy

Russia	€ thousand	EU	€ thousand	Other countries	€ thousand
Compound feedingstuffs	18 172	Alcoholic beverages	105 073	Milk powder	52 871
Coffee, raw	13 019	Butter and other fats and oils derived from milk	93 486	Pork	41 700
Malts	8 920	Chocolate	45 672	Other milk products	34 483
Alcoholic beverages	7 924	Oat	41 842	Alcoholic beverages	26 650
Chocolate	7 825	Other milk products	37 207	Butter and other fats and oils derived from milk	22 753
Other foodstuffs	7 491	Wheat	36 041	Cheese	22 711
Other cereal products	6 691	Cheese	35 979	Oat	20 160
Other bakery products	6 661	Yoghurt	29 011	Wheat	13 766
Other grain mill products	4 566	Milk powder	27 743	Raw materials for feedstuff	12 542
Coffee, roasted	4 103	Sweets	26 902	Barley	11 335
Other	27 429	Other	407 286	Other	71 488
Total	112 801	Total	886 242	Total	330 459

Source: National Board of Customs, Finnish Food and Drinks Industries' Federation

THE SHARE OF FOOD INDUSTRY'S R&D COSTS (% of production)



Source: Statistics Finland, FoodDrinkeurope

CONSUMPTION EXPENDITURE

Private consumption expenditure at current prices, MEUR	1995	2005	2014 p.	2015 p.
Food and non-alcoholic beverages	7 411	9 381	13 734	13 572
Share of food and non-alcoholic beverages in consumption expenditure, %	15	12	13	12
Alcoholic beverages and tobacco	2 976	4 052	4 979	4 881
Clothing and footwear	2 218	3 771	4 802	4 718
Housing and energy	11 889	19 253	29 702	30 824
Household equipment	2 132	4 147	5 419	5 428
Health	1 631	3 367	4 716	5 055
Transport	5 924	10 438	12 927	12 858
Telecommunications	780	2 185	2 504	2 552
Recreation and culture	5 087	9 094	11 634	11 462
Education	228	333	411	428
Hotels, cafés and restaurants	3 383	5 259	6 669	6 890
Other goods and services	4 709	7 074	10 428	10 626

Source: Statistics Finland, National Accounts (SKT2014)

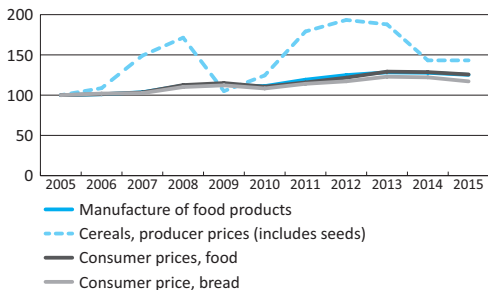
FOOD EXPENDITURE

Food expenditure of households, per capita	1995 €/y	%	2005 €/y	%	2014 p. €/y	%	2015 p. €/y	%
Bread and cereal products	232	17	301	18	380	16	365	16
Meat and meat products	311	23	359	21	481	21	484	20
Fish and fish products	58	4	73	4	117	5	116	5
Milk, cheese and eggs	248	18	308	18	469	20	454	20
Fats and oils	42	3	39	2	46	2	40	2
Fruits and vegetables	190	14	287	17	433	18	431	19
Potatoes and potato products	45	3	45	3	53	2	56	2
Sugar	21	2	14	1	15	1	12	1
Coffee, tea and cocoa	69	5	45	3	71	3	76	3
Other goods ¹⁾	150	11	203	12	283	12	283	12
Total	1 365	100	1 674	100	2 348	100	2 317	100

Source: Statistics Finland, National Accounts (SKT2014)

¹⁾ other drinks are not included

REAL PRICE DEVELOPMENT OF FOOD IN FINLAND



Source: Statistics Finland

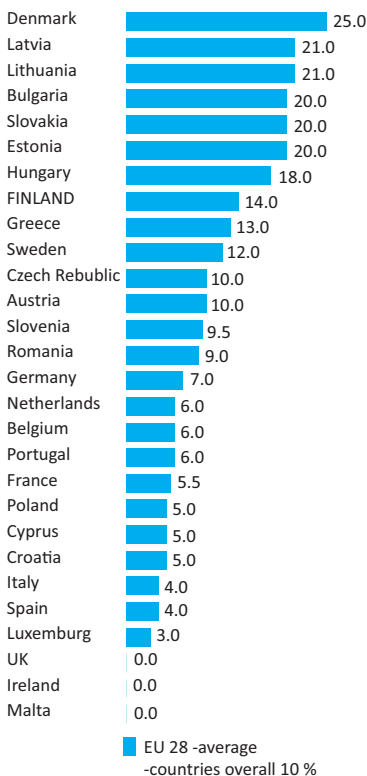
RETAIL PRICES

Prices, €/kg, €/l	1994	2005	2014	2015
Milk				
low-fat milk	0.66	0.74	1.1	1.03
fat free milk	0.58	0.72	1.01	0.93
sour milk ¹⁾	0.58	0.89	1.33	1.32
Cheese				
Emmentaler	8.34	10.59	14.02	14.52
Edam	7.03	7.92	9.8	9.12
Fat				
butter	5.28	4.96	5.74	4.96
margarine	..	2.87	3.9	3.6
Meat				
roast of beef ²⁾	11.16	9.08	16.74	16.21
minced beef	7.86	7.44	10.2	10.11
pork sirloin ³⁾	7.59	9.02	10.25	9.63
broiler fillet ⁴⁾	4.10	2.03	13.47	13.18
salami	15.86	12.19	15.88	15.77
frankfurter (skinless)	5.82	4.68	7.89	7.63
sausage	3.70	3.43	4.94	4.64
Eggs	2.79	2.33	3.68	3.6
Fish				
rainbow trout ⁵⁾	5.84	10.45	9.56	8.50
Grain and vegetable products				
wheat flour	0.90	0.59	0.68	0.67
rye bread	..	3.68	3.92	3.74
wheat bread	..	3.57	3.90	3.80
wheat coffee bread	5.63	5.79	7.19	5.79
granulated sugar	1.23	1.08	1.08	0.93
food potatoes	1.52	0.65	0.87	0.93
carrots	1.56	1.21	1.65	1.57
tomatoes	2.39	2.98	3.25	3.19
roasted coffee	5.56	5.04	7.18	7.74

Source: Statistics Finland

¹⁾ price calculations for 1994 based on fat free sour milk²⁾ the average price for 1994 calculated from topside³⁾ price calculations for 1994 based on pork chop⁴⁾ price calculations for 1994 based on broiler, drumstick-thigh⁵⁾ price calculations for 1994 based on cleaned and gutted whole fish and for 2005–2015 on filleted fish

THE MOST COMMON VALUE-ADDED TAX ON FOOD IN THE EU-COUNTRIES 2014 (%)



Source: European Commission

PRICE INDEXES 2014 (EU15=100)

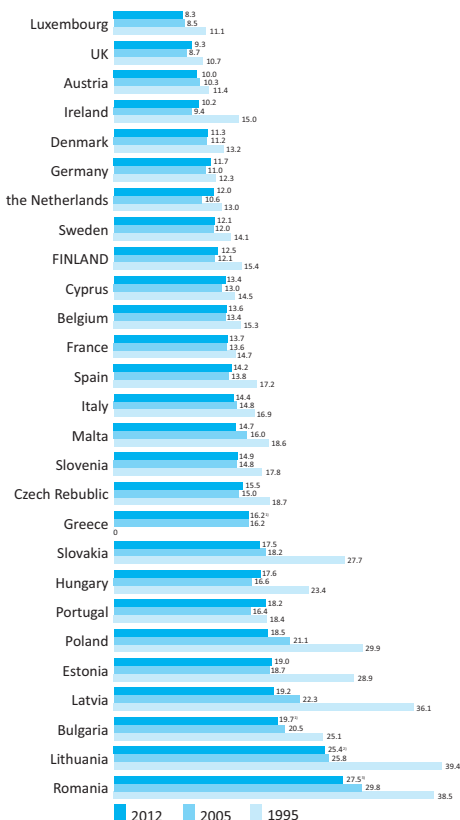
Economy

	Household consumption expenditure	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, vegetables and potatoes	Other food-stuffs	Non-alcoholic beverages
Netherlands	105.0	93.0	92.7	85.3	101.5	99.1	89.6	91.4	97.5	87.7	96.1
Belgium	103.5	101.6	102.0	102.0	107.2	110.8	109.7	112.8	89.4	97.2	98.4
Spain	86.2	87.2	87.6	98.7	77.6	86.0	92.4	74.7	88.4	98.1	83.3
Ireland	116.5	115.8	114.7	109.9	97.7	107.9	123.4	113.3	134.1	122.6	127.1
UK	113.5	98.5	96.9	84.8	93.9	97.4	105.3	97.8	103.7	100.6	113.7
Italy	65.6	103.8	104.6	110.2	101.0	107.1	115.9	98.0	98.1	105.2	94.9
Austria	101.9	113.4	114.8	127.4	118.6	124.3	102.0	125.8	117.3	103.9	103.4
Greece	76.1	97.0	96.1	107.6	79.5	109.9	124.8	106.7	77.8	112.9	107.1
Luxembourg	125.9	109.7	110.8	107.5	117.2	111.8	116.8	118.1	105.7	104.9	103.4
Portugal	74.2	88.7	87.7	89.8	71.3	89.6	98.3	97.7	83.8	12.7	100.9
France	99.9	103.2	104.2	106.9	115.0	105.8	89.3	103.9	104.1	101.3	93.6
Sweden	126.6	118.2	119.2	126.5	120.3	110.7	113.6	129.7	126.6	115.6	109.8
Germany	94.4	97.8	97.8	94.3	16.1	105.9	90.7	106.7	102.2	90.8	99.0
Finland	115.4	116.0	115.3	121.3	115.6	110.4	118.5	101.3	122.0	110.4	122.9
Denmark	130.0	136.4	133.1	153.0	121.8	124.9	126.0	146.2	122.2	158.1	168.8
EU-15	100	100	100	100	100	100	100	100	100	100	100

Source: Eurostat, Gallup Food and Farm Facts

HOUSEHOLDS CONSUMPTION OF FOOD AND NON-ALCOHOLIC BEVERAGES

% from households total consumption



Source: CIAA, Gallup Food and Farm Facts

¹⁾ in 2011 ²⁾ in 2009 ³⁾ in 2010

MEAT

Million kg	1995	2005	2014	2015
Pork				
total production	166	204	186	192
consumption	165	176	189	193
exports ¹⁾	9	40	30	34
imports ¹⁾	10	15	34	36
Beef and veal				
total production	95	87	83	86.3
consumption	96	98	102	105
exports ¹⁾	6	2	2	4
imports ¹⁾	8	14	21	21
Poultry meat				
production	43	87	113	117
consumption	45	84	110	118
exports ¹⁾	3	10	20	21
imports ¹⁾	0.3	7	18	21
Mutton				
production	2.0	0.6	1.1	1.2
consumption	2.0	1.9	3.7	5.9
exports ¹⁾	0.0	0.0	0.1	0.1
imports ¹⁾	1.0	1.4	2.7	2.7
Horse meat				
production	0.4	0.1	0.5	0.4
consumption	0.4	1	2.7	2.2
Reindeer meat				
Production ²⁾	2.8	2.9	1.7	2
consumption	2.6	3.1	2.2	2.7
exports	..	0.04	0.4	0.6
imports	..	0.2	1.1	0.9
Meat total				
production	306	378	384	397
consumption	308	361	407	422
exports ¹⁾	15	52	52	59
imports ¹⁾	21	39	78	82
Meat products export	3.7	2.1	2.1	1.6

Source: Gallup Food and Farm Facts, Natural Resources Institute Finland, National Board of Customs, Reindeer herders' Association

¹⁾ estimated meat in carcass, incl. bones and spoilage. Amount of meat eaten is approx. half of carcass weight.

²⁾ statistics are compiled for the reindeer husbandry year, from 1. June to 31. May.

EGGS

Million kilos	1995	2005	2014	2015
Production	74.7	58.2	67.7	72
Consumption	61.0	48.8	59.3	63.4
Exports	14.0	11.2	11.2	13.3

Source: Gallup Farm and Food Facts

MILK PRODUCTS AND EDIBLE FATS

	1995	2005	2014	2015
Milk (M litres)				
production	2 397	2 362	2 330	2 365
yield litres/cow	5 981	7 505	8 201	8 323
received at dairies	2 296	2 293	2 289	2 325
consumption of liquid milk products	1 012	995	976	953
Butter (M kg)				
production	45	50	49	55
consumption	27	14	19	18
exports	19	37	27	39
Cheese (M kg)				
production	96	97	99	88
consumption	78	98	141	146
exports	29	37	33	20
Milk powder, exports (M kg)	7	15	27	42

Source: Gallup Farm and Food Facts, Natural Resources Institute Finland

BREAD GRAIN

Wheat	1995	2005	2014	2015
Total yield (M kg)	379.5	801.3	1088.2	992.1
First grade product % ¹⁾	..	32	37	18
Imports (M kg)	131.6	23.2	4.7	9.6
Exports (M kg)	8.4	25.5	175.0	301.7
Consumption as food, M kg ²⁾	229.5	253.7	251.9	242.4
Annual consumption, kg/person	45.0	49.0	46.1	44.2
Rye				
Total yield (M kg)	57.7	32.4	74.9	107.5
First grade product % ³⁾	..	28	84	88
Imports (M kg)	61.4	80.4	56.0	33.5
Exports (M kg)	..	2.4	4.2	0.4
Consumption as food, M kg ²⁾	79.2	88.2	82.2	85.2
Annual consumption, kg/person	16.0	15.0	15.0	15.6

Source: Natural Resources Institute Finland, National Board of Customs

¹⁾ hectolitre weight $\geq 78,0$ kg, falling number ≥ 180 , protein (N*5,7) $\geq 12,5$ %²⁾ consumption of ground grains expressed in flour weight³⁾ hectolitre weight $\geq 71,0$ kg, falling number ≥ 120

FISH

Fish caught, million kg ¹⁾	1995	2005	2014	2015 ³⁾
Baltic herring (<i>Clupea harengus membras</i>)	96	67	131	132
Vendace (<i>Coregonus albula</i>)	4	5	4	4
Lavaret (<i>Coregonus lavaretus</i>)	6	3	2	2
Atlantic salmon (<i>Salmo salar</i>)	2	1	1	1
European perch (<i>Perca fluviatilis</i>)	17	13	10	9
Pike-perch (<i>Sander lucioperca</i>)	2	3	4	4
Commercial fishing, total	111	94	153	153
Recreational fishing, total	57	38	29	29
Fish farming	17	14 ²⁾	14 ²⁾	15 ²⁾

Source: Natural Resources Institute Finland

¹⁾ the species named are the most important for commercial fishing (recreational fishing included)

²⁾ share of rainbow trout more than 90 %

³⁾ recreational fishing and commercial inland fishing figures are from year 2014

FISH CONSUMPTION

Domestic fish (kg/person)	2000	2005	2013	2014
Farmed rainbow trout (<i>Oncorhynchus mykiss</i>)	1.6	1.4	1.1	1.1
Baltic herring (<i>Clupea harengus membras</i>)	1.2	0.7	0.3	0.3
Pike (<i>Esox lucius</i>)	0.7	0.7	0.4	0.5
European perch (<i>Perca fluviatilis</i>)	0.7	0.6	0.4	0.5
Vendace (<i>Coregonus albula</i>)	0.7	0.7	0.6	0.6
Lavaret (<i>Coregonus lavaretus</i>)	0.4	0.3	0.3	0.3
Pike-perch (<i>Sander lucioperca</i>)	0.2	0.3	0.3	0.3
Other domestic fish	0.6	0.5	0.4	0.5
Imported fish (kg/person)				
Farmed rainbow trout (<i>Oncorhynchus mykiss</i>)	0.3	0.6	0.9	0.9
Farmed Atlantic salmon (<i>Salmo salar</i>)	0.9	1.9	4.0	4.4
Tuna (<i>Thunnus thynnus</i>) (preserved and prepared)	1.2	1.6	1.9	1.7
Saithe (<i>Pollachius virens</i>) (frozen fillets)	0.6	0.4	0.3	0.5
Shrimps and prawns	0.4	0.5	0.6	0.5
Herring (<i>Clupea harengus</i>) and preserved herring	0.5	0.5	0.4	0.5
Other imported fish	2.3	2.4	2.7	2.3

Source: Natural Resources Institute Finland

Domestic fish consumption (kg/person) as filleted weight.

Imported fish consumption (kg/person), with Atlantic salmon and rainbow trout as filleted weight, others as product weight.

Imported freshwater fish (such as lavaret, pike-perch etc.) not reported by species included under other imported fish.

VEGETABLES AND FRUIT

1 000 kg	1995	2005	2014	2015 ¹⁾
Potato				
exports	2 895	4 853	12 349	8 213
imports	3 909	19 304	15 524	11 250
Tomato				
exports	2 368	58	114	574
imports	16 130	19 471	29 428	28 073
Yellow and red onion				
exports	400	3	130	773
imports	5 357	5 233	11 420	9 348
Cauliflower				
exports	75	0	..	..
imports	2 166	2 407	3 280	3 496
White and red cabbage				
exports	2 447	3	236	..
imports	1 660	1 608	2 614	2 338
Head lettuce				
exports	104	35	122	..
imports	5 672	11 056	18 699	17 257
Carrots and turnips				
exports	1	21	53	30
imports	2 643	4 816	6 557	7 107
Cucumber				
exports	498	66	38	18
imports	11 107	11 256	11 307	11 377
Pepper				
exports	354	5	21	28
imports	5 438	9 538	15 360	15 221
Zucchini				
exports	17	0	..	..
imports	710	2 118	3 737	3 681
Other fresh vegetables				
exports	7 372	1 552	708	294
imports	33 385	61 227	82 948	83 445
Banana				
exports	2 352	0	449 ²⁾	2 012 ²⁾
imports	6 619	65 491	85 713	101 923
Citrus fruit				
exports	3 968	91	62	62
imports	62 100	63 749	72 107	74 122
Apple				
exports	11 480	100	65	28
imports	54 001	49 719	45 613	47 365
Other fresh fruit				
exports	15 181	472	1 903	6 445
imports	151 112	108 370	133 259	13 483

Source: National Board of Customs

¹⁾ compilation of statistics changed in 2015²⁾ excluding plantains

BERRIES AND MUSHROOMS

Total crops of garden berries, mill. kg	2005	2010	2014	2015
Strawberry	10.1	10.3	12.9	14.4
of which organic	..	0.19	0.25	0.37
Black- and greencurrant	1.8	1.0	1.1	0.8
Red- and whitecurrant	0.5	0.4	0.6	0.3
Raspberry	0.6	0.5	0.8	1.0
of which organic	..	0.01	0.01	0.03
Gooseberry	0.03	0.06	0.04	0.05
Total	13.1	12.5	15.6	16.95

Supply of wild berries, 1 000 kg

Blueberry	3 111	2 780	5 866	7 200
of which organic	..	1 036	3 044	1 301
Lingonberry	8 544	6 057	2 981	9 615
of which organic	..	1 232	759	664
Cloudberry	321	152	162	160
of which organic	..	1	90	11
Other berries	51	108	81	28
Total	12 027	9 097	9 090	18 979

Supply of wild mushrooms, 1 000 kg¹⁾

Chanterelle	16	5	10	10
Cep	181	747	369	62
Milk caps	152	98	82	77
Other wild mushrooms	77	5	28	18
Total	426	855	489	167

Source: Natural Resources Institute Finland, Gallup Food and Farm Facts, Finnish Association of Fruit and Berry Growers, Agency for Rural Affairs

¹⁾ weighted fresh

Amount and face value of game meat		2006	2010	2014
Number	Hares	268 800	248 200	250 200
	Moose	75 587	68 423	39 488
	Other artiodactyla ¹⁾	25 777	29 113	29 063
	Wild boar	3	100	400
	Waterfowl	586 000	533 800	479 800
	Grouse	459 200	306 200	243 000
	Other game birds	245 400	278 000	296 700
	Total ²⁾	1 664 867	1 470 315	1 345 471
Quantity 1 000 kg	Hares	525	501	490
	Moose	10 018	9 124	5 203
	Other artiodactyla ¹⁾	1 086	1 227	1 214
	Wild boar	0	8	30
	Waterfowl	327	305	272
	Grouse	308	204	173
	Other game birds	84	97	97
	Total ²⁾	12 400	11 559	7 570
Value EUR 1 000	Hares	2 608	7 446	7 500
	Moose	51 526	54 744	36 400
	Other artiodactyla ¹⁾	5 681	6 348	6 300
	Wild boar	1	80	300
	Waterfowl	5 157	6 146	5 400
	Grouse	4 515	5 921	5 100
	Other game birds	1 480	1 775	1 700
	Total ²⁾	71 175	83 029	63 340

Source: The Natural Resources Institute Finland

¹⁾ white-tailed deer, Finnish forest reindeer, fallow deer and roe deer

²⁾ Totals include bears and beavers

NON-COMPLIANT FOODS 2015

Inspected foods	Inspected batches ¹⁾ , number	Non-compliant batches, %	Batches issued a notice, %
Vegetables	649	6	8
Starchy root vegetables and tubers	60	10	10
Milk and dairy products	28	0	32
Fruits and berries	743	3	4
Fish, other fish products	16	0	6
Pulses, nuts, oil seeds and spices	346	7	12
Fruit and vegetable juices and nectars	39	3	10
Cereals and cereal products	282	6	9
Sugar, bakers' confectionery, sorbets	100	16	15
Animal and vegetable fats and oils	23	9	30
Coffee, tea, cocoa and infusions	137	17	12
Special diet products	162	24	17
Seasonings and sauces	201	12	13
Convenience food	68	15	10
Baby foods	47	0	6
Total	2 901	8.5 ²⁾	12.9 ²⁾

Source: Customs Laboratory

¹⁾ 36 % of the batches were from countries outside the EU and the origin of 100 products was unknown.

²⁾ the figure is an average.

CAUSES OF NON-COMPLIANCE 2015

Cause of non-compliance	Number of batches	%
Labelling	66	28.3
Plant protection products	44	18.9
Additives	24	10.3
Allergens	23	9.9
Heavy metals	9	3.9
Salmonella	7	3.0
Radioactivity	7	3.0
Novel food ingredient	7	3.0
Nutrients	6	2.6
Nitrate	4	1.7
Microbiological causes	4	1.7
Others	32	13.7
Total	233	100.0

Source: Customs Laboratory

VETERINARY MEDICINAL PRODUCT RESIDUES AND OTHER SUBSTANCES IN LIVE ANIMALS AND ANIMAL PRODUCTS

	EU-27 average		Finland		
	2010	2013	2010	2013	2015
Number of targeted samples	418 081	419 528	4 344	4 341	4 344
Non-compliant samples %	0.33	0.31	0.0	0.00	0.02

Source: EFSA and Finnish Food Safety Authority Evira

Contaminants are prohibited substances, permissible medicinal products and contaminants from the environment. The EU results include all samples examined in the programme, including 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 CONTROL FIGURES 2015

Product safety

Inspections, number	Primary produc- tion	Manufac- ture and packaging	Distribu- tion and transport	Retail sales	Service sector	Manufacturers selling primarily on a retail basis	Total
Number of establishments	23 936	3 347	2 562	11 406	33 762	331	75 344
Number of establishments inspected	1 965	1 677	431	4 202	15 906	32	33 729
Number of inspections	3 197	3 427	597	597	20 742	34	33 729
Number of establishments committing infringements	656	313	27	403	1 795	5	3 199
Type of infringement							
Hygiene (HACCP, training)	366	128	14	121	569	0	1 203
General hygiene	517	319	12	356	1 795	5	3 000
Composition	0	11	1	5	0	1	17
Contamination (other than microbiological)	83	10	0	4	23	0	120
Labelling and presentation	6	62	3	126	21	2	220
Other	80	56	2	20	54	0	213

Source: Finnish Food Safety Authority Evira, Report on the implementation of the Multi-annual National Food Chain Control Audit Plan 2012–2016 in 2015

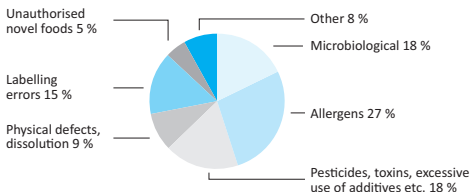
NUMBER OF RECALLS

	2005	2010	2014	2015
Recalls ¹⁾ , number	28	84	120	111

Source: Finnish Food Safety Authority Evira

¹⁾ incl. both retailer and mass caterer recalls

REASONS FOR PRODUCT WITHDRAWALS 2015



Source: Finnish Food Safety Authority Evira

FOODBORNE AND WATERBORNE OUTBREAKS AND NUMBER OF PERSONS AFFECTED 2015

Disease-causing agent	Number of outbreaks	Number of persons affected	
	N=43	N=1430	%
Foodborne			
Bacillus cereus	1	5	1
Campylobacter jejuni	1	15	2
Clostridium perfringens	2	15	2
Listeria monocytogenes	1	24	4
Salmonella Newport	1	45	7
Shigella flexneri	1	7	1
Hepatitis A virus	1	6	1
Norovirus	12	370	55
Staphylococcus aureus	1	6	1
Unknown	19	158	24
Total	40	667	100
Waterborne			
Campylobacter	1	17	2
Unknown	2	746	98
Total	3	763	100

Source: Finnish Food Safety Authority Evira

FOODBORNE AND WATERBORNE OUTBREAKS BY DISEASE-CAUSING AGENT 2015

Product safety

Disease-causing agent	Unknown or several foodstuffs	Meat and meat products	Vegetables and vegetable products	Fish and fish products	Milk and milk products	Cereals and cereal products	Eggs and egg products	Drinks	Bakery products	Total
Bacillus cereus	1									1
Campylobacter jejuni					1					1
Clostridium perfringens		2								2
Listeria monocytogenes	1									
Salmonella Newport						1				1
Hepatitis A virus	1									1
Shigella flexneri	1									
Norovirus	10								2	12
Staphylococcus aureus		1								1
Unknown	13	3	2	1						19
Total	27	6	2	1	1	1	0	0	2	40
%	68	15	5	3	3	3	0	0	5	100

Source: Finnish Food Safety Authority Evira

DAILY CONSUMER GOODS TRADE AND INSTITUTIONAL KITCHENS

Economy

NUMBER OF SHOPS BY SHOP TYPE

Shop type	Total 1.1.2016
Hypermarkets	150
Department stores	112
Supermarkets, large	633
Supermarkets, small	394
Self-service shops, large	1 043
Self-service shops, small	394
Small shops	388
Speciality shops	880
Market halls	34
Total 1.1.2016	4 004
Mobile shops	14
Closed down	297

Source: A.C. Nielsen Finland Oy

Economy

SALES OF DAILY CONSUMER GOODS BY SHOP TYPE

MEUR	1996	2005	2014	2015
Hypermarkets ¹⁾	1 533	2 772	4 519	4 592
Department stores	655	611	571	541
Supermarkets, large	1 847	3 789	6 019	6 046
Supermarkets, small	2 118	1 648	1 783	1 709
Self-service shops, large	1 401	1 916	2 628	2 499
Self-service shops, small	766	490	438	415
Small shops	131	216	346	324
Speciality shops and market halls	148	158	296	256
Total	8 599	11 601	16 599	16 424
Mobile shops	52	18	6	5
Closed down	114	289	100	161
Total	8 765	11 908	16 705	16 591

Source: A.C. Nielsen Finland Oy

¹⁾ classification has been chain-based since 2005, including chains K-City-market, Prisma and Euromarket

NUMBER OF INSTITUTIONAL KITCHENS BY SECTOR

	2011 pcs	2013 pcs	2015 pcs	Change 13/15 %
Cafés and restaurants	11 211	11 229	9 673	-13.9
Workplace canteens	1 360	1 242	1 034	-16.7
Public kitchens	4 116	3 835	3 655	-4.7
Total	16 687	16 315 ¹⁾	14 379 ¹⁾	-11.9

Source: Taloustutkimus Oy

¹⁾ the figure includes some institutional kitchens, the field of operations of which are not known

NUMBER OF PORTIONS PREPARED IN INSTITUTIONAL KITCHENS (BY SECTOR)

Million portions	2011 pcs	2013 pcs	2015 pcs	Change 13/15 %
Cafés and restaurants	398	416	419	0.7
Workplace canteens	72	70	62	-11,4
Public kitchens	419	411	383	-6.8
Total	889	904 ¹⁾	868 ¹⁾	-4

Source: Taloustutkimus Oy

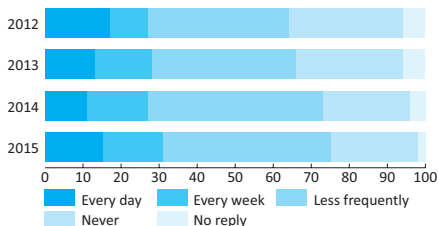
¹⁾ the figure includes some institutional kitchens, the field of operations of which are not known

In 2015, the share of organic products in public catering services was approx. 5 % (in kg).

Source: EkoCentria, Taloustutkimus Oy



FREQUENCY OF CONSUMPTION OF ORGANIC PRODUCE BY CATERING PROVIDERS, %



Source: Taloustutkimus Oy/Food Service Feedback 2015

Forkful of Facts can be ordered from Finnish Food Information by
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or by phone +358 40 710 4170.

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Finnish Food Information
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Ruokatieto

FINNISH FOOD INFORMATION

TEL. +358 40 710 4170

www.ruokatieto.fi



Finnish Association of Academic Agronomists
TEL. +358 9 251 1160 — www.agronomiliitto.fi



Finnish Food and Drink Industries' Federation
TEL. +358 9 148 871 — www.etl.fi



Natural Resources Institute Finland (Luke)
P. +358 29 532 6000 — www.luke.fi



Central Union of Agricultural Producers
and Forest Owners
TEL. +358 20 4131 — www.mtk.fi



Central Union of Swedish-speaking
Agricultural Producers in Finland
TEL. +358 9 586 0460 — www.slc.fi



Association of ProAgria Centres
TEL. +358 20 747 2400 — www.proagria.fi