



International
Egg Commission

A top-down photograph of several eggs on a white, textured surface. There are five whole eggs: two white and three brown. One brown egg is cracked open, showing a bright yellow yolk. The text 'Annual Review 2019' is overlaid on the yolk.

Annual
Review
2019



A member of the World Egg Organisation

IEC Family Tree**Chairman Sep 2017 - Sep 2019**

T Lambert (Canada)

Vice Chairman

S Chitturi (India)

President Sep 2017 - Sep 2019

B Dellaert (Netherlands)

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H U L Van Damme (Belgium)

O Winfridsson (Sweden)

M Weller (UK)

A Griffiths OBE (UK)

J Ivy (USA)

M Sugiyama (Japan)

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K Lovell

IEC Membership Countries

Argentina	Mozambique
Australia	Namibia
Austria	Nepal
Bangladesh	Netherlands
Barbados	New Zealand
Belgium	Nicaragua
Bhutan	Nigeria
Bolivia	Norway
Botswana	Pakistan
Brazil	Panama
Bulgaria	Peru
Canada	Philippines
China	Poland
Colombia	Portugal
Costa Rica	Romania
Cuba	Russia
Denmark	Singapore
Ecuador	Slovakia
Egypt	South Africa
El Salvador	Spain
Finland	Sri Lanka
France	Sweden
Germany	Switzerland
Greece	Thailand
Guatemala	Turkey
Honduras	UAE
Hungary	UK
India	Ukraine
Indonesia	USA
Iran	Vietnam
Ireland	Zambia
Israel	Zimbabwe
Italy	
Japan	
Kazakhstan	
Korea - South	
Latvia	
Lesotho	
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Malawi	
Malaysia	
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Mexico	
Mongolia	
Morocco	



The egg industry: A year of progress

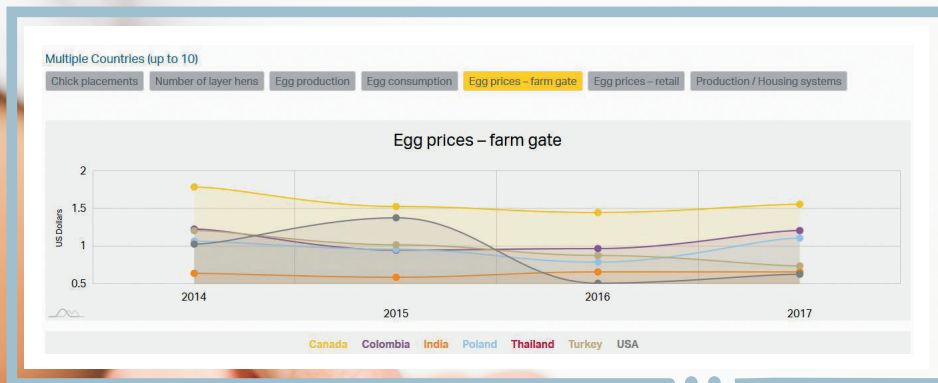
The IEC increasingly represents the global egg industry at an international level, including with the World Health Organization (WHO), the World Organisation for Animal Health (OIE) and the Consumer Goods Forum (CGF). This has been clearly demonstrated over the past year, as the whole egg industry came together under the leadership of the IEC in November 2018, to oppose the OIE's plan to eliminate conventional laying cages from their standard.

The egg industry is becoming known internationally as a leader amongst food sectors, dealing with a wide range of issues including driving higher standards in biosecurity; encouraging ever more efficient production through shared knowledge and best practice; and in supporting the correct use of antimicrobials. Through our contacts with leading intergovernmental organisations we are able to inform IEC members of future issues that are of importance to our direct customers, including forced labour and the sustainable sourcing of soya beans; aligning ourselves with international resolutions such as the United Nations Sustainable Development Goals. This year the IEC has also introduced a detailed programme of customer and supermarket analysis through our strategic partnership with the Institute of Grocery Distribution (IGD). This programme will be rolled out over the next three years and will support the current conference content of communicating and analysing consumer mega trends, such as the development of meat free food products.

Throughout 2019 the IEC has continued to help the egg industry prepare for the very serious threat of avian influenza, which is never far away, with a continued focus on the critical importance of increasing biosecurity standards year-on-year and communicating this as a clear business investment, not simply a cost. In many countries supply and demand imbalances have created very difficult trading conditions. Even against this tough and disruptive background, egg businesses continue to develop and find new opportunities to consistently deliver consumers the highest quality protein that money can buy.

The IEC, as part of the World Egg Organisation (WEO), is providing exciting programmes that are relevant to leading egg producers, including the Young Egg Leaders (YEL) and regional event programmes, delivering industry leading conferences, representing the egg industry on the international stage and championing the role of eggs in undernourished populations through the International Egg Foundation (IEF). To support this, the IEC maintains its commitment to enlarge our communications programme with you, with ever more use of video content and social media, along with the launch of an all new interactive and dynamic economics system for 2019. We are proud to be supporting the egg industry and working to ensure that even more people have access to the most valuable of food products – the egg. We wish you every success with your business in the year ahead and hope that you will join us in shaping the future development of the global egg industry. We never forget that the IEC is here to serve the egg industry and to help support the growth and development of the industry worldwide. Thank you to everyone who takes part in our organisation, we need your input to ensure we stay on the right path, addressing the challenges and making the most of opportunities to support the global egg industry.





Exciting developments in the way you view egg industry data

To ensure that our IEC members make the most of the comprehensive egg industry specific data set. We are excited to introduce the new interactive IEC statistical web pages, accessible through your IEC website login.

This newly updated facility includes a dedicated search function to illustrate industry trends and provide quick at-a-glance country by country insights into areas such as ratios of production systems, self-sufficiency, egg consumption per capita and analysis of production costs.

Some new features include the ability to:

- ▶ Compare single or multiple years
- ▶ Choose a range of countries to compare from an interactive map
- ▶ Choose a range of parameters to compare
- ▶ Download your graph as a PDF
- ▶ Translation options

We continue to invest in ongoing economic research and data collection for the benefit of all our IEC members. Rapporteurs from over 30 countries have been providing specific egg industry data annually to the IEC since 2003, providing great commercial benefit to egg businesses.

OIE DEVELOPING GLOBAL LAYER HOUSING STANDARDS



The OIE continues to develop draft global standards for housing laying hens. The egg industry came together under the leadership of the IEC in November 2018 to oppose the OIE's plan to eliminate conventional laying cages from their standard.

Thank you to everyone who met with their national Chief Veterinary Officer or OIE Delegate and presented the science based case for the OIE to include all forms of egg production in their standards. To date this has been successful, but it is highly likely that the egg industry will again need to respond to the OIE's next consultation in October or

November 2019. Again it is essential that the whole egg industry comes together to ensure any global standards are practical and can be implemented by the industry.

The egg industry needs to be prepared for this new OIE consultation. It is essential that through your national country egg association you develop direct communication with your national Chief Veterinary Officer, as they are the voting delegates at the OIE. The OIE Code Commission will meet to consider new proposals in September 2019. Coming out of this meeting, recommendations will be made as to whether the draft wording will be put forward for adoption at the OIE General Session in May 2020. It is highly likely that this will lead to an additional consultation period for the egg industry later this year.

The IEC has been very active on behalf of the egg industry, supported directly by many IEC members, with strong technical input from Kevin Lovell and Dr Joy Mench. The IEC has a seat on the internal OIE drafting group to provide direct input to the OIE, as well as sending strong delegations to the OIE General Sessions in Paris each May and meeting face to face with the Director General and other senior officials. At the last OIE General Assembly in May 2019, over 40 OIE countries spoke out against the OIE's own draft standards, ensuring the OIE staff have to rework the draft global standards for housing laying hens.

The IEC will keep you informed about these decisions and any actions we need to take together.

Keeping the egg industry connected

The IEC has integrated social media into regular communications throughout the World Egg Organisation bodies. Facebook, Twitter, Instagram, LinkedIn and YouTube are all now a regular part of WEO and IEC communications to help inform people in the egg industry about the work of the IEC and to a wider audience about the benefits of eggs.



LinkedIn



YouTube



Facebook



Twitter



Facebook



Instagram

IEC member benefits

As a member of the IEC you have access to a wealth of industry information, data and resource through the IEC Member-only website. Login to access:

- INTERACTIVE IEC
STATISTICS AND
CHICK PLACEMENTS
- GLOBAL ANIMAL
WELFARE
LEGISLATION
DATABASE
- EGG INDUSTRY
REPORTS AND
PUBLICATIONS
- INDUSTRY SPECIFIC
RESEARCH
LIBRARY
- MEMBER AND
CONFERENCE
DELEGATE
DIRECTORY
- MEMBERS
PHOTO
GALLERY



WEO GROUP OVERVIEW

The WEO organisation continues to develop a professional structure to serve members and the egg industry. In addition to the International Egg Commission (IEC) and Egg Processors International (EPI), the whole World Egg Organisation (WEO) group now benefits from the work of the International Egg Foundation (IEF), the International Egg Nutrition Centre (IENC) and the Global Initiative for Sustainable Eggs (GISE). The WEO brand is used to communicate the work of the whole group, including World Egg Day, whilst the separate established identity of the IEC is for membership, conferences and where industry issues are maintained.





Driving industry growth

To continue driving positive development in the egg industry, we are thrilled to announce the introduction of IEC Value Chain Partnerships.

We are looking to create Value Chain Partnerships with a small number of non-competing global organisations that use their day to day work to deliver on the United Nations Sustainable Development Goals across the global egg value chain. Each Value Chain Partnership will be unique and designed to complement the strategic goals of both the IEC/WEO and the partner organisation.

DSM is the inaugural company to partner with the IEC on this basis and we are delighted to confirm DSM as IEC Value Chain Partner: Feed Additives and Sustainability.

Thank you to DSM for their support of the IEC and the egg industry.

Tim Lambert, IEC Chairman remarked “We are committed to help deliver on the United Nations Sustainable Development Goals. As an IEC Value Chain Partner, DSM has many shared values and our collaborative work will help support the development of the egg industry”.

Dr. David Nickell, Vice President Sustainability, Animal Nutrition Health DSM stated “Sustainability is a core value of DSM and a core driver of our business. Our partnership with the IEC is therefore a very logical step to help further improve the sustainability of the global egg industry”.



REPRESENTING

the global egg industry

This April, members of our Young Egg Leaders (YEL) joined the IEC leadership team in Geneva for a series of meetings with international organisations to better understand and review common areas of interest.

World Trade Organization (WTO)

The delegation met with Charles Akande, the Egg Farmers of Canada representative to the WTO who is working in agricultural negotiations. Charles provided an overview of the WTO, the egg industry’s involvement and a situational update. Meeting at the Geneva headquarters the delegation further met with representatives from both media relations and agriculture, detailing the complexities around agricultural discussions.

International Labour Organization (ILO)

The IEC delegation convened with senior specialists at the ILO to share the steps the international egg community is taking to eliminate forced labour within our industry and supply chain and to understand the current situation globally, specifically in relation to agriculture.

World Health Organization (WHO)

Meeting with WHO’s Emergency Disease Response Department team, headed by Ann Moen, Chief of Influenza Preparedness and Response on Infectious Hazard Management, who updated the IEC on their Pandemic Influenza Preparedness Framework, with discussions continuing onto surveillance, monitoring and reporting, as well as the work of the IEC’s biosecurity awareness.

The IEC Young Egg Leaders (YEL) programme continues to engage with some of the most dynamic individuals within the egg sector, exposing the YEL group to global issues and helping them to reach their full potential. The next two year programme will commence in April 2020, with places limited, the programme is targeted towards the sons and daughters of egg producers and processors, who already hold senior positions within their family businesses.





Argentina

Basic country information

Population: 44.5 million
Land area: 278 million hectares
Agricultural land: 174 million hectares
Arable land: 39 million hectares



Rapporteur
Javier Prida



Australia

Basic country information

Population: 25.1 million
Land area: 769 million hectares
Agricultural land: 394 million hectares
Arable land: 46 million hectares

Rapporteur
Carron Elvin



Austria

Basic country information

Population: 8.8 million
Land area: 8.4 million hectares
Agricultural land: 3.8 million hectares



Rapporteur
Dr Michael Wurzer

Laying hens			
Layers	42,400,000	21,257,932	6,844,249
Commercial egg farms	960		2,088
Brown to white ratio	28:72	98:2	92:8
Chick placements	19,300,000	19,486,162	9,667,270
Production system			
Cage / Colony	89%	54.5%	0.8%
Barn system	8%	9.1%	64.4%
Free range	3%	36.4%	23.5%
Organic	0%	0%	11.7%
Production			
Shell eggs	970,024 tonnes	361,980 tonnes	116,174 tonnes
Average egg weight	63 grams	60 grams	61.5 grams
Liquid egg products	87,000 tonnes		
Dried egg products	4,500 tonnes		
Total egg products	91,500 tonnes		
Consumption per capita			
Shell eggs	246 eggs per year		
Egg products (shell egg equivalent)	25 eggs per year		
Total	271 eggs per year	244 eggs per year	236 eggs per year
Trade			
Shell eggs (exports)	9,140 tonnes	317 tonnes	
Shell eggs (imports)	0 tonnes	0 tonnes	
Self sufficiency rate	103%		87%
Liquid egg products (exports)	0 tonnes	22 tonnes	
Dried egg products (exports)	2.602 tonnes	26 tonnes	
Liquid egg products (imports)	0 tonnes	142 tonnes	
Dried egg products (imports)	0 tonnes	934 tonnes	
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$270.67 per tonne		\$359.21 per tonne
To produce eggs at farm level	\$0.93 per dozen		
Eggs at farm gate	\$0.93 per dozen		
Eggs retail	\$1.18 per dozen	\$2.32 per dozen	\$3.26 per dozen

General egg industry data

Eggs sold in professional retail	55%
People directly employed in industry	18,000
People indirectly employed in industry	7,000

The currency used in this Review is US\$.

1 USD = 28.0784 ARS

1 USD = 1.3392 AUD

1 USD = 0.8474 EUR

Go to www.internationalegg.com for: • More detailed analysis • Historical data • Full rapporteur contact information



Brazil

Basic country information

Population: 201 million
 Land area: 851 million hectares
 Agricultural land: 132.5 million hectares
 Arable land: 65.3 million hectares



Rapporteur
Ricardo Santin



Canada

Basic country information

Population: 37.06 million
 Land area: 902 million hectares
 Agricultural land: 64 million hectares
 Arable land: 39 million hectares



Rapporteur
Sean Wennerland



China

Basic country information

Population: 1395 million
 Land area: 960 million hectares
 Agricultural land: 552 million hectares
 Arable land: 182 million hectares



Rapporteur
Wayne Liu

Laying hens			
Layers	115,556,000	26,852,444	1,250,000,000
Commercial egg farms		1,143	41,000
Brown to white ratio		14:86	65:35
Chick placements		29,524,133	1,400,000,000
Production system			
Cage / Colony		87%	97%
Barn system		9%	0%
Free range		1%	3%
Organic		3%	0%
Production			
Shell eggs	2,669,242 tonnes	538,401 tonnes	22,000,000 tonnes
Average egg weight	60 grams	63 grams	62 grams
Liquid egg products		154,263 tonnes	240,000 tonnes
Dried egg products			23,000 tonnes
Total egg products		154,263 tonnes	263,000 tonnes
Consumption per capita			
Shell eggs		174 eggs per year	250 eggs per year
Egg products (shell egg equivalent)		79 eggs per year	4.5 eggs per year
Total	212 eggs per year	253 eggs per year	254.8 eggs per year
Trade			
Shell eggs (exports)	7,875 tonnes	21,523 tonnes	
Shell eggs (imports)		39,652 tonnes	0 tonnes
Self sufficiency rate		91%	100%
Liquid egg products (exports)	1,501 tonnes	5,044 tonnes	
Dried egg products (exports)	565 tonnes	193 tonnes	
Liquid egg products (imports)		4,687 tonnes	0 tonnes
Dried egg products (imports)		3,419 tonnes	0 tonnes
Costs and prices (For the main production system in the country)			
Layer feed at farm gate		\$311.63 per tonne	\$360.26 per tonne
To produce eggs at farm level		\$1.59 per dozen	\$0.80 per dozen
Eggs at farm gate		\$1.58 per dozen	\$0.89 per dozen
Eggs retail		\$1.98 per dozen	\$1.12 per dozen

General egg industry data

Eggs sold in professional retail		
People directly employed in industry		7,419
People indirectly employed in industry		8,549

The currency used in this Review is US\$.

USD

1 USD = 1.2959 CAD

1 USD = 6.6146 RMB

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Colombia

Basic country information

Population: 49.834 million
Land area: 114.1 million hectares
Agricultural land: 40.08 million hectares
Arable land: 7.98 million hectares

Rapporteur

National Federation of Poultry



Cyprus

Basic country information

Population: 0.864 million
Land area: 0.9251 hectares
Agricultural land: 0.1273 million hectares
Arable land: 0.0839 million hectares

Rapporteur

Department of Agriculture



Denmark

Basic country information

Population: 5.7 million
Land area: 4.3 million hectares
Agricultural land: 2.7 million hectares
Arable land: 2.7 million hectares



Rapporteur

Mie Nielsen Blom

Laying hens			
Layers	53,821,934	397,854	4,000,000
Commercial egg farms		37	184
Brown to white ratio	93:7	95.5:4.5	20:80
Chick placements	41,524,567	534,918	3,600,000
Production system			
Cage / Colony	70%	71.3%	16%
Barn system	30%	15.1%	46%
Free range	0%	11.4%	8%
Organic	0%	2.2%	30%
Production			
Shell eggs	876,360 tonnes	8,909 tonnes	67,500 tonnes
Average egg weight	60 grams	63 grams	63.1 grams
Liquid egg products			
Dried egg products			
Total egg products			
Consumption per capita			
Shell eggs	293 eggs per year	205.9 eggs per year	172 eggs per year
Egg products (shell egg equivalent)			76 eggs per year
Total	293 eggs per year	205.9 eggs per year	248 eggs per year
Trade			
Shell eggs (exports)	0 tonnes		5,700 tonnes
Shell eggs (imports)	0 tonnes		7,400 tonnes
Self sufficiency rate	100%	83.7%	85%
Liquid egg products (exports)	0 tonnes		
Dried egg products (exports)			
Liquid egg products (imports)		217 tonnes	
Dried egg products (imports)	169 tonnes	29.05 tonnes	
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$248.25 per tonne	\$352.82 per tonne	\$329.35 per tonne
To produce eggs at farm level	\$0.66 per dozen	\$1.12 per dozen	
Eggs at farm gate	\$1.38 per dozen	\$1.48 per dozen	\$0.80 per dozen
Eggs retail	\$1.08 per dozen	\$2.74 per dozen	\$3.33 per dozen
General egg industry data			
Eggs sold in professional retail		69%	98%
People directly employed in industry		150	550
People indirectly employed in industry			350
The currency used in this Review is US\$.	1 USD = 2,951.6585 COP	1 USD = 0.8474€	1 USD = 6.3155 DKK

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Finland

Basic country information

Population: 5.52 million
 Land area: 30.392 million hectares
 Agricultural land: 2.26 million hectares
 Arable land: 2.234 million hectares



Rapporteur
 Hanna Hamina



France

Basic country information

Population: 66.9 million
 Land area: 63.8 million hectares
 Agricultural land: 28.9 million hectares
 Arable land: 18.4 million hectares



Rapporteur
 Jonathan Hercule



Germany

Basic country information

Population: 82.78 million
 Land area: 35.7 million hectares
 Agricultural land: 16.7 million hectares
 Arable land: 11.9 million hectares



Rapporteur
 Margit Beck

Laying hens			
Layers	3,900,000	48,601,626	46,900,000
Commercial egg farms	285	2,324	1,830
Brown to white ratio	5:95	85:15	
Chick placements	3,411,000	42,601,100	33,780,000
Production system			
Cage / Colony	58%	61%	6.7%
Barn system	33%	8%	62.7%
Free range	2%	21%	19.1%
Organic	7%	10%	11.5%
Production			
Shell eggs	76,100 tonnes	889,000 tonnes	846,000 tonnes
Average egg weight	58 grams	62 grams	62 grams
Liquid egg products		178,000 tonnes	
Dried egg products		89,000 tonnes	
Total egg products		293,000 tonnes	
Consumption per capita			
Shell eggs	163 eggs per year	135 eggs per year	
Egg products (shell egg equivalent)	35 eggs per year	77 eggs per year	
Total	198 eggs per year	213 eggs per year	235 eggs per year
Trade			
Shell eggs (exports)	9,700 tonnes	20,200 tonnes	141,000 tonnes
Shell eggs (imports)	1,000 tonnes	60,300 tonnes	414,000 tonnes
Self sufficiency rate	115%	100%	69.4%
Liquid egg products (exports)	2,700 tonnes	46,300 tonnes	22,190 tonnes
Dried egg products (exports)		49,900 tonnes	4,510 tonnes
Liquid egg products (imports)		63,400 tonnes	
Dried egg products (imports)		10,500 tonnes	7,528 tonnes
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$342.20 per tonne		\$315.77 per tonne
To produce eggs at farm level	\$1.09 per dozen		
Eggs at farm gate	\$0.85 per dozen		\$1.16 per dozen
Eggs retail	\$2.83 per dozen		\$1.94 per dozen
General egg industry data			
Eggs sold in professional retail	100%	50%	49%
People directly employed in industry	985		
People indirectly employed in industry	800		

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1 USD = 0.8474€EUR

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Hungary

Basic country information

Population: 9.78 million
Land area: 9.3 million hectares
Agricultural land: 5.34 million hectares
Arable land: 4.3 million hectares



Rapporteur
Gyorgyi Molnar



India

Basic country information

Population: 1358 million
Land area: 329 million hectares
Arable land: 160 million hectares
Arable land: 156.46 million hectares



Iran

Basic country information

Population: 82.8 million
Land area: 165 million hectares
Agricultural land: 55 million hectares
Arable land: 18 million hectares



Rapporteur
Behnam Bastani

Laying hens			
Layers		289,440,000	66,078,000
Commercial egg farms	554	25,000	1,683
Brown to white ratio	100:0	8:92	1:99
Chick placements	4,023,427	286,440,000	43,902,662
Production system			
Cage / Colony	80.76%	100%	100%
Barn system	17.37%	0%	0%
Free range	1.39%	0%	0%
Organic	0.48%	0%	0%
Production			
Shell eggs	81,988 tonnes	5,702,400 tonnes	910,000 tonnes
Average egg weight	63 grams	55 grams	62 grams
Liquid egg products	3,386 tonnes		52,800 tonnes
Dried egg products	462 tonnes	10,000 tonnes	1,750 tonnes
Total egg products	3,849 tonnes	10,000 tonnes	54,550 tonnes
Consumption per capita			
Shell eggs		76 eggs per year	146 eggs per year
Egg products (shell egg equivalent)			37 eggs per year
Total	238 eggs per year	76 eggs per year	183 eggs per year
Trade			
Shell eggs (exports)	1,610 tonnes	14,454 tonnes	1,500 tonnes
Shell eggs (imports)	6,486 tonnes		9,500 tonnes
Self sufficiency rate	88%	98%	99%
Liquid egg products (exports)	128.9 tonnes		
Dried egg products (exports)	488 tonnes	10,000 tonnes	
Liquid egg products (imports)	1,522 tonnes		
Dried egg products (imports)	497.3 tonnes		
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$271.05 per tonne	\$285.64 per tonne	\$169.20 per tonne
To produce eggs at farm level	\$0.84 per dozen	\$0.59 per dozen	\$0.42 per dozen
Eggs at farm gate	\$0.89 per dozen	\$0.64 per dozen	\$0.39 per dozen
Eggs retail	\$1.90 per dozen	\$0.78 per dozen	\$0.46 per dozen
General egg industry data			
Eggs sold in professional retail	55%	<1%	
People directly employed in industry		3,000,000	
People indirectly employed in industry		3,000,000	
The currency used in this Review is US\$.	1 USD =270.0208 HUF	1 USD = 68.2676 INR	1 USD = 40,796.51 IRR

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Ireland

Basic country information

Population: 4.76 million
 Land area: 6.9 million hectares
 Agricultural land: 4.5 million hectares
 Arable land: 1.1 million hectares

Rapporteur
 Bill Whelan



Italy

Basic country information

Population: 60.4 million
 Land area: 30.1 million hectares
 Agricultural land: 17.3 million hectares
 Arable land: 12.8 million hectares



Rapporteur
 Lara Sanfrancesco



Japan

Basic country information

Population: 127 million
 Land area: 38 million hectares
 Agricultural land: 6 million hectares
 Arable land: 5 million hectares



Rapporteur
 Dr Seiji Nobuoka

Laying hens

Layers	3,601,000	38,900,000	139,036,000
Commercial egg farms	255	1,702	2,200
Brown to white ratio	99.9:0.1	80:20	40:60
Chick placements	2,625,000	32,500,000	106,646,000

Production system

Cage / Colony	53%	54.5%	94.6%
Barn system	1%	35.3%	4.5%
Free range	43%	4.6%	0.9%
Organic	3%	5.6%	0%

Production

Shell eggs	51,314 tonnes	772,950 tonnes	2,627,764 tonnes
Average egg weight	62.5 grams	63 grams	63 grams
Liquid egg products	1,429 tonnes		494,027 tonnes
Dried egg products	354 tonnes		25,267 tonnes
Total egg products	1,783 tonnes		519,294 tonnes

Consumption per capita

Shell eggs	161 eggs per year	142 eggs per year	167 eggs per year
Egg products (shell egg equivalent)	27 eggs per year	66 eggs per year	170 eggs per year
Total	188 eggs per year	208 eggs per year	337 eggs per year

Trade

Shell eggs (exports)	5,774 tonnes	16,305 tonnes	6,031 tonnes
Shell eggs (imports)	2,349 tonnes	43,529 tonnes	730 tonnes
Self sufficiency rate	92%	97.3%	96%
Liquid egg products (exports)	147 tonnes	11,248 tonnes	105 tonnes
Dried egg products (exports)	714 tonnes	3,885 tonnes	39 tonnes
Liquid egg products (imports)	5,693 tonnes	8,535 tonnes	10,648 tonnes
Dried egg products (imports)	1,405 tonnes	2,471 tonnes	15,370 tonnes

Costs and prices (For the main production system in the country)

Layer feed at farm gate	\$292.25 per tonne		\$593.88 per tonne
To produce eggs at farm level		\$1.06 per dozen	\$1.23 per dozen
Eggs at farm gate	\$0.93 per dozen	\$1.20 per dozen	\$1.33 per dozen
Eggs retail	\$2.54 per dozen	\$3.68 per dozen	\$2.36 per dozen

General egg industry data

Eggs sold in professional retail	90%		29%
People directly employed in industry	2,000		21,400
People indirectly employed in industry			1,480

The currency used in this Review is US\$.

1 USD = 0.8474€

1 USD = 0.8474€

1 USD = 110.4091 JPY

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Kazakhstan

Basic country information

Population: 18.39 million
Land area: 272.5 million hectares
Agricultural land: 102.6 million hectares
Arable land: 24.8 million hectares



Rapporteur
Maxim Bozhko

Laying hens			
Layers	14,850,000		
Commercial egg farms	34		
Brown to white ratio	20:80		
Chick placements	10,806,000		

Production system

Cage / Colony	85%		
Barn system	0%		
Free range	15%		
Organic	0%		

Production

Shell eggs	306,644 tonnes		
Average egg weight	55 grams		
Liquid egg products			
Dried egg products	1,076 tonnes		
Total egg products	1,076 tonnes		

Consumption per capita

Shell eggs	254 eggs per year		
Egg products (shell egg equivalent)			
Total	254 eggs per year		

Trade

Shell eggs (exports)	51,370 tonnes		
Shell eggs (imports)	759 tonnes		
Self sufficiency rate	100%		
Liquid egg products (exports)	0 tonnes		
Dried egg products (exports)	166.7 tonnes		
Liquid egg products (imports)	0 tonnes		
Dried egg products (imports)	94.4 tonnes		

Costs and prices (For the main production system in the country)

Layer feed at farm gate	\$196.51 per tonne		
To produce eggs at farm level	\$0.51 per dozen		
Eggs at farm gate	\$0.50 per dozen		
Eggs retail	\$0.66 per dozen		

General egg industry data

Eggs sold in professional retail	25%		
People directly employed in industry	4,309		
People indirectly employed in industry	4,179		

The currency used in this Review is US\$. 1 USD = 344.5542 KZT



Mexico

Basic country information

Population: 123.9 million
Land area: 198 million hectares
Agricultural land: 36.2 million hectares
Arable land: 24.4 million hectares



Rapporteur
Arturo Calderon

Layers	161,164,829		
Commercial egg farms	34		
Brown to white ratio	20:80		
Chick placements	10,806,000		

Cage / Colony	99.78%		
Barn system	0.22%		
Free range	0%		
Organic	0%		

Shell eggs	2,802,656 tonnes		
Average egg weight	62.5 grams		
Liquid egg products	115,958 tonnes		
Dried egg products	3,393 tonnes		
Total egg products	119,951 tonnes		

Shell eggs	367.7 eggs per year		
Egg products (shell egg equivalent)			
Total	367.7 eggs per year		

Shell eggs (exports)	51,370 tonnes		
Shell eggs (imports)	759 tonnes		
Self sufficiency rate	100%		
Liquid egg products (exports)	0 tonnes		
Dried egg products (exports)	166.7 tonnes		
Liquid egg products (imports)	0 tonnes		
Dried egg products (imports)	94.4 tonnes		

Layer feed at farm gate	\$373.71 per tonne		
To produce eggs at farm level	\$0.75 per dozen		
Eggs at farm gate	\$0.79 per dozen		
Eggs retail	\$1.10 per dozen		

Eggs sold in professional retail	15%		
People directly employed in industry	77,616		
People indirectly employed in industry	388,080		

1 USD = 19.2164 MXN



Netherlands

Basic country information

Population: 17 million
Land area: 4.2 million hectares
Agricultural land: 2.3 million hectares
Arable land: 2.1 million hectares



Rapporteur
Ben Dellaert

Layers	32,033,324		
Commercial egg farms	726		
Brown to white ratio	35:65		
Chick placements	24,410,991		

Cage / Colony	11%		
Barn system	61%		
Free range	20%		
Organic	8%		

Shell eggs	638,000 tonnes		
Average egg weight	62.5 grams		
Liquid egg products	115,958 tonnes		
Dried egg products	3,393 tonnes		
Total egg products	119,951 tonnes		

Shell eggs	205 eggs per year		
Egg products (shell egg equivalent)			
Total	205 eggs per year		

Shell eggs (exports)	51,370 tonnes		
Shell eggs (imports)	759 tonnes		
Self sufficiency rate	99%		
Liquid egg products (exports)	0 tonnes		
Dried egg products (exports)	166.7 tonnes		
Liquid egg products (imports)	0 tonnes		
Dried egg products (imports)	94.4 tonnes		

Layer feed at farm gate	\$295.59 per tonne		
To produce eggs at farm level	\$0.90 per dozen		
Eggs at farm gate	\$1.03 per dozen		
Eggs retail	\$2.76 per dozen		

Eggs sold in professional retail	90%		
People directly employed in industry	77,616		
People indirectly employed in industry	388,080		

1 USD = 0.8474 EUR



New Zealand

Basic country information

Population: 4.89 million
 Land area: 27 million hectares
 Agricultural land: 13.9 million hectares
 Arable land: 0.5 million hectares



Rapporteur
 Carol Coutts



Peru

Basic country information

Population: 33 million
 Land area: 128 million hectares
 Agricultural land: 21.5 million hectares
 Arable land: 3.7 million hectares



Rapporteur
 Vasco Masias



Poland

Basic country information

Population: 38.3 million
 Land area: 31.2 million hectares
 Agricultural land: 14.6 million hectares
 Arable land: 10.8 million hectares



Rapporteur
 Grzegorz Dybowski

Laying hens			
Layers	3,815,173	29,500,000	43,000,000
Commercial egg farms	157	320	1,447
Brown to white ratio	100:0	99:1	90:10
Chick placements	3,373,811	28,200,000	
Production system			
Cage / Colony	66.4%	93%	88.3%
Barn system	3%	5%	9.1%
Free range	29.6%	1%	2.4%
Organic	1%	1%	0.2%
Production			
Shell eggs		452,000 tonnes	537,000 tonnes
Average egg weight	63 grams	63.6 grams	57 grams
Liquid egg products		8,000 tonnes	
Dried egg products		1,500 tonnes	
Total egg products		14,000 tonnes	55,000 tonnes
Consumption per capita			
Shell eggs	237 eggs per year	215 eggs per year	142 eggs per year
Egg products (shell egg equivalent)		9 eggs per year	
Total	237 eggs per year	224 eggs per year	142 eggs per year
Trade			
Shell eggs (exports)	1,045 tonnes	0 tonnes	209,700 tonnes
Shell eggs (imports)	89.85 tonnes	0 tonnes	12,000 tonnes
Self sufficiency rate	100%	100%	160%
Liquid egg products (exports)	68.98 tonnes	220 tonnes	8,000 tonnes
Dried egg products (exports)	0.25 tonnes	500 tonnes	
Liquid egg products (imports)	23.59 tonnes	0 tonnes	
Dried egg products (imports)	351.51 tonnes	0 tonnes	
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$369.30 per tonne		\$309.80 per tonne
To produce eggs at farm level		\$245.00 per tonne	\$0.83 per dozen
Eggs at farm gate		\$0.66 per dozen	\$1.06 per dozen
Eggs retail	\$2.77 per dozen	\$0.83 per dozen	\$2.23 per dozen
		\$1.08 per dozen	
General egg industry data			
Eggs sold in professional retail			
People directly employed in industry		5%	
People indirectly employed in industry		10,000	
The currency used in this Review is US\$.	1 USD = 1.4459 NZD		1 USD = 3.6088 PLN

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Portugal

Basic country information

Population: 10.3 million
Land area: 9.23 million hectares
Agricultural land: 3.66 million hectares



Rapporteur
Manuel Lima



Russia

Basic country information

Population: 146.8 million
Land area: 1712.5 million hectares
Agricultural land: 219 million hectares
Arable land: 122 million hectares



Rapporteur
Norbert Mischke



Slovakia

Basic country information

Population: 5.5 million
Land area: 4.9 million hectares
Agricultural land: 1.9 million hectares
Arable land: 1.3 million hectares



Rapporteur
Daniel Molnar

Laying hens			
Layers	6,750,000	160,000,000	6,142,038
Commercial egg farms	138	206	45
Brown to white ratio	95:5	50:50	96:4
Chick placements	5,870,000		3,037,000
Production system			
Cage / Colony	90.5%	99.9%	83%
Barn system	6.5%	0.1%	16%
Free range	2.5%	0%	0.5%
Organic	0.5%	0%	0.5%
Production			
Shell eggs	112,945 tonnes	2,712,000 tonnes	79,872 tonnes
Average egg weight	63.5 grams	60 grams	64 grams
Liquid egg products	29,560 tonnes		
Dried egg products			
Total egg products	29,560 tonnes		79,872 tonnes
Consumption per capita			
Shell eggs	152.8 eggs per year	307 eggs per year	228 eggs per year
Egg products (shell egg equivalent)			
Total	152.8 eggs per year	307 eggs per year	228 eggs per year
Trade			
Shell eggs (exports)	18,357 tonnes	32,100 tonnes	9,137 tonnes
Shell eggs (imports)	7,785 tonnes	49,380 tonnes	3,249 tonnes
Self sufficiency rate	110.3%	110%	93%
Liquid egg products (exports)	9,860 tonnes		0 tonnes
Dried egg products (exports)	720 tonnes		2 tonnes
Liquid egg products (imports)	6,810 tonnes		583 tonnes
Dried egg products (imports)	3,690 tonnes		404 tonnes
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$290.87 per tonne	\$238.96 per tonne	\$274.94 per tonne
To produce eggs at farm level	\$0.81 per dozen	\$0.72 per dozen	\$1.08 per dozen
Eggs at farm gate	\$0.82 per dozen	\$0.74 per dozen	\$1.15 per dozen
Eggs retail		\$1.06 per dozen	\$2.21 per dozen
General egg industry data			
Eggs sold in professional retail	55%	80%	80%
People directly employed in industry	710		1000
People indirectly employed in industry			
The currency used in this Review is US\$.	1 USD = 0.8474 EUR	1 USD = 62.7714 RUB	1 USD = 0.8474 EUR

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South Africa

Basic country information

Population: 57.7 million
 Land area: 122 million hectares
 Agricultural land: 80 million hectares
 Arable land: 15 million hectares



Rapporteur
 Shelley Johnston

Laying hens	
Layers	23,613,945
Commercial egg farms	166
Brown to white ratio	39:61
Chick placements	26,676,892

Production system

Cage / Colony	86%
Barn system	0%
Free range	14%
Organic	0%

Production

Shell eggs	423,780 tonnes
Average egg weight	58.32 grams
Liquid egg products	10,299 tonnes
Dried egg products	100 tonnes
Total egg products	10,100 tonnes

Consumption per capita

Shell eggs	126.7 eggs per year
Egg products (shell egg equivalent)	3 eggs per year
Total	129.7 eggs per year

Trade

Shell eggs (exports)	6,270 tonnes
Shell eggs (imports)	488 tonnes
Self sufficiency rate	101%
Liquid egg products (exports)	48 tonnes
Dried egg products (exports)	340 tonnes
Liquid egg products (imports)	10.29 tonnes
Dried egg products (imports)	1,044 tonnes

Costs and prices (For the main production system in the country)

Layer feed at farm gate	\$246.36 per tonne
To produce eggs at farm level	
Eggs at farm gate	\$1.26 per dozen
Eggs retail	\$2.22 per dozen

General egg industry data

Eggs sold in professional retail	
People directly employed in industry	7,642
People indirectly employed in industry	14,800

The currency used in this Review is US\$. 1 USD = 13.2366 ZAR



Spain

Basic country information

Population: 46.7 million
 Land area: 50.6 million hectares
 Agricultural land: 17 million hectares
 Arable land: 11.6 million hectares



Rapporteur
 Maria del Mar Fernandez Poza

Layers	43,560,000
Commercial egg farms	1,327
Brown to white ratio	90:10
Chick placements	38,600,000

Cage / Colony	83%
Barn system	9%
Free range	7%
Organic	1%

Shell eggs	824,000 tonnes
Average egg weight	64 grams
Liquid egg products	
Dried egg products	
Total egg products	108,000 tonnes

Shell eggs	260 eggs per year
Egg products (shell egg equivalent)	
Total	

Shell eggs (exports)	98,502 tonnes
Shell eggs (imports)	25,689 tonnes
Self sufficiency rate	107%
Liquid egg products (exports)	37,078 tonnes
Dried egg products (exports)	
Liquid egg products (imports)	28,890 tonnes
Dried egg products (imports)	

Layer feed at farm gate	\$306.80 tonnes
To produce eggs at farm level	
Eggs at farm gate	\$0.91 per dozen
Eggs retail	\$1.72 per dozen

Eggs sold in professional retail	
People directly employed in industry	
People indirectly employed in industry	

1 USD = 0.8474 EUR



Sweden

Basic country information

Population: 10 million
 Land area: 44.74 million hectares
 Agricultural land: 3.6 million hectares
 Arable land: 2.7 million hectares



Rapporteur
 Marie Lönneskog Hogstadius

Layers	8,500,000
Commercial egg farms	300
Brown to white ratio	5:95

Cage / Colony	8%
Barn system	72%
Free range	4%
Organic	16%

Shell eggs	
Average egg weight	
Liquid egg products	
Dried egg products	
Total egg products	11,171 tonnes

Shell eggs	185 eggs per year
Egg products (shell egg equivalent)	20 eggs per year
Total	235 eggs per year

Shell eggs (exports)	6,413 tonnes
Shell eggs (imports)	
Self sufficiency rate	95%

Layer feed at farm gate	
To produce eggs at farm level	
Eggs at farm gate	
Eggs retail	

Eggs sold in professional retail	
People directly employed in industry	
People indirectly employed in industry	

1 USD = 8.6923 SEK

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Switzerland

Basic country information

Population: 8.55 million
 Land area: 4.129 million hectares
 Agricultural land: 1.482 million hectares
 Arable land: 0.408 million hectares



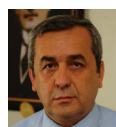
Rapporteur
Andreas Gloor



Turkey

Basic country information

Population: 82 million
 Land area: 78 million hectares
 Agricultural land: 24.4 million hectares
 Arable land: 14.6 million hectares



Rapporteur
Huseyin Sungur



United Kingdom

Basic country information

Population: 66.2 million
 Land area: 24.36 million hectares
 Agricultural land: 17.1 million hectares
 Arable land: 6.1 million hectares



Rapporteur
Mark Williams

Laying hens			
Layers	3,024,700	141,276,177	41,000,000
Commercial egg farms	442	1,080	
Brown to white ratio	35:65	20:80	99:1
Chick placements	3,163,639	100,289,217	40,110,000
Production system			
Cage / Colony	0%	88%	44.2%
Barn system	22.2%	3%	1.4%
Free range	60.5%	8%	51.9%
Organic	17.3%	1%	2.5%
Production			
Shell eggs	58,689 tonnes	1,518,750 tonnes	679,508 tonnes
Average egg weight	60.28 grams	62 grams	61 grams
Liquid egg products	12,627 tonnes	57,300 tonnes	
Dried egg products	0 tonnes		
Total egg products	12,627 tonnes	57,300 tonnes	97,929 tonnes
Consumption per capita			
Shell eggs	132.8 eggs per year	213 eggs per year	156 eggs per year
Egg products (shell egg equivalent)	47.9 eggs per year	11 eggs per year	43 eggs per year
Total	180.7 eggs per year	224 eggs per year	199 eggs per year
Trade			
Shell eggs (exports)	0 tonnes	361,276 tonnes	
Shell eggs (imports)	24,582 tonnes	0 tonnes	31,455 tonnes
Self sufficiency rate	63%	127%	87%
Liquid egg products (exports)	0 tonnes		5,010 tonnes
Dried egg products (exports)	0 tonnes		
Liquid egg products (imports)	5,918 tonnes		53,772 tonnes
Dried egg products (imports)	524 tonnes		
Costs and prices (For the main production system in the country)			
Layer feed at farm gate	\$577.57 per tonne	\$290.00 per tonne	\$374.71 per tonne
To produce eggs at farm level	\$3.07 per dozen	\$0.67 per dozen	\$1.08 per dozen
Eggs at farm gate	\$2.91 per dozen	\$0.82 per dozen	\$0.95 per dozen
Eggs retail	\$6.38 per dozen	\$1.17 per dozen	\$1.60 per dozen
General egg industry data			
Eggs sold in professional retail		65%	91.1%
People directly employed in industry		100,000	10,000
People indirectly employed in industry		10,000	13,000
The currency used in this Review is US\$.	1 USD = 0.9782 CHF	USD	1 USD = 0.7499 GBP

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United States of America

Basic country information

Population: 327 million
 Land area: 915 million hectares
 Agricultural land: 407 million hectares
 Arable land: 154 million hectares



Rapporteur
 Maro Ibarburu

Laying hens	
Layers	329,900,000
Commercial egg farms	
Brown to white ratio	7:93
Chick placements	279,400,000
Production system	
Cage / Colony	83.4%
Barn system	11.9%
Free range	0%
Organic	4.7%
Production	
Shell eggs	5,730,000 tonnes
Average egg weight	60 grams
Liquid egg products	1,290,942 tonnes
Dried egg products	58,226 tonnes
Total egg products	1,290,942 tonnes
Consumption per capita	
Shell eggs	200.4 eggs per year
Egg products (shell egg equivalent)	83.6 eggs per year
Total	284.0 eggs per year
Trade	
Shell eggs (exports)	82,512 tonnes
Shell eggs (imports)	
Self sufficiency rate	103%
Liquid egg products (exports)	16,409 tonnes
Dried egg products (exports)	15,428 tonnes
Liquid egg products (imports)	6,690 tonnes
Dried egg products (imports)	241 tonnes
Costs and prices (For the main production system in the country)	
Layer feed at farm gate	\$221.50 per tonne
To produce eggs at farm level	\$0.60 per dozen
Eggs at farm gate	\$0.98 per dozen
Eggs retail	\$1.74 per dozen
General egg industry data	
Eggs sold in professional retail	59.5%
People directly employed in industry	25,640
People indirectly employed in industry	47,508
The currency used in this Review is US\$.	USD

Note:

Figures used in this document are stated in United Kingdom format with a “,” to separate 000s and a “.” to denote decimal places.

In all cases for units of measurement “t” means “tonnes”.

The currency used in this report is US dollars. All data is available in original currencies at www.internationalegg.com

Calculation guidelines for the data are also available at www.internationalegg.com

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