

EU Market Situation for Eggs



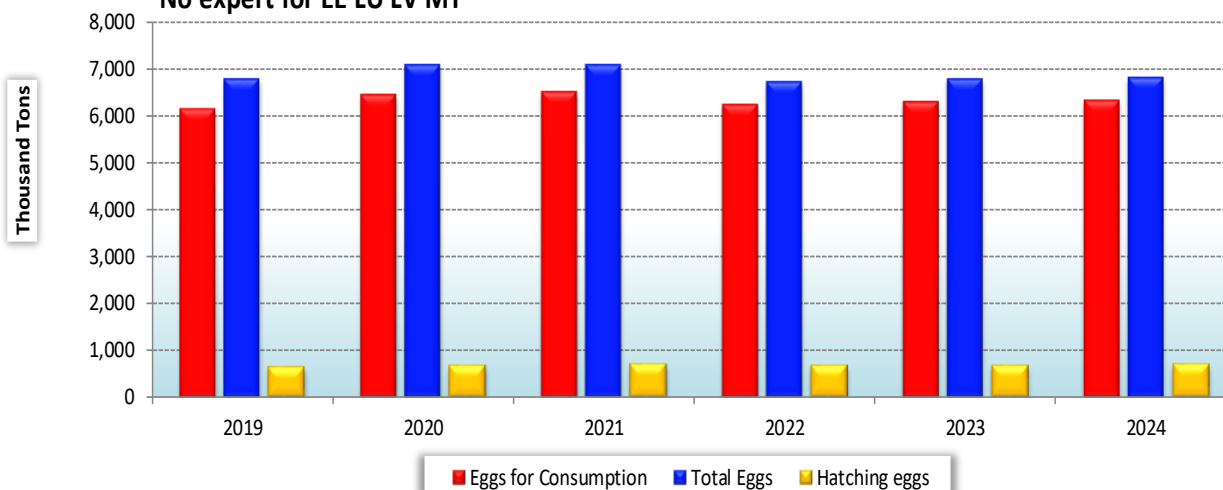
Expert Group for Agricultural Markets
18 April 2024

FORECAST

Experts EU production forecast on Eggs

Missing or incomplete data for BE BG EE EL HR LV LT MT SK

No expert for EE LU LV MT



in thousand tons	2019	2020	2021	2022	2023	2024	Change 23/22	Change 24/23
Total Eggs	6,796	7,107	7,096	6,738	6,788	6,833	+ 0.7%	+ 0.7%
Eggs for Consumption	6,158	6,466	6,516	6,256	6,304	6,331	+ 0.8%	+ 0.4%
Hatching eggs	637	669	685	666	669	687	+ 0.4%	+ 2.7%
% of hatching eggs on total eggs	9.4%	9.4%	9.7%	9.9%	9.9%	10.1%		

FORECAST

EU production of total eggs (expert forecast Spring 2024)

Source : Experts WG

Qty in Tonnes

% change

	2022	2023	2024	%2023/2022	%2024/2023
FR	958,180	980,600	1,033,380	2.3	5.4
DE	985,000	958,000	970,000	-2.7	1.3
ES	870,000	914,000	914,000	5.1	0.0
IT	790,000	798,000	804,000	1.0	0.8
PL	561,860	553,790	559,870	-1.4	1.1
NL	532,057	525,414	530,000	-1.2	0.9
RO	355,000	365,000	360,000	2.8	-1.4
BE	185,200	189,340	189,340	2.2	0.0
CZ	168,000	167,000	167,000	-0.6	0.0
AT	147,780	147,780	147,780	0.0	0.0
PT	140,600	142,600	143,800	1.4	0.8
HU	136,360	136,980	136,810	0.5	-0.1
SE	154,000	154,000	117,000	0.0	-24.0
BG	111,500	112,000	112,000	0.4	0.0
DK	99,600	101,000	104,000	1.4	3.0
EL	90,000	90,000	90,000	0.0	0.0
IE	89,200	86,500	89,700	-3.0	3.7
FI	77,500	76,300	75,000	-1.5	-1.7
HR	72,397	72,397	72,397	0.0	0.0
SK	68,000	69,000	69,000	1.5	0.0
LT	51,000	51,000	51,000	0.0	0.0
LV	42,200	42,200	42,200	0.0	0.0
SI	26,250	28,300	28,000	7.8	-1.1
CY	9,230	9,830	10,000	6.5	1.7
EE	9,800	9,800	9,800	0.0	0.0
MT	7,100	7,100	7,100	0.0	0.0
EU27	6,737,814	6,787,931	6,833,177	0.7	0.7

FORECAST

EU production of eggs for consumption (expert forecast Spring 2024)

Source : Experts WG

Qty in Tonnes

% change

	2022	2023	2024	%2023/2022	%2024/2023
FR	892,440	915,500	960,300	2.6	4.9
ES	870,000	914,000	914,000	5.1	0.0
DE	915,000	890,000	900,000	-2.7	1.1
IT	750,000	758,000	763,000	1.1	0.7
NL	532,057	525,414	530,000	-1.2	0.9
PL	468,460	458,530	463,120	-2.1	1.0
RO	330,000	340,000	330,000	3.0	-2.9
BE	138,200	142,340	142,340	3.0	0.0
CZ	141,000	140,000	140,000	-0.7	0.0
AT	139,240	139,240	139,240	0.0	0.0
PT	119,600	120,900	122,000	1.1	0.9
SE	154,000	154,000	117,000	0.0	-24.0
HU	115,700	115,600	115,000	-0.1	-0.5
DK	88,400	89,000	92,000	0.7	3.4
EL	90,000	90,000	90,000	0.0	0.0
BG	88,000	88,000	88,000	0.0	0.0
IE	83,500	81,000	84,000	-3.0	3.7
FI	77,500	76,300	75,000	-1.5	-1.7
HR	64,878	64,878	64,878	0.0	0.0
SK	61,000	61,000	61,000	0.0	0.0
LT	50,000	50,000	50,000	0.0	0.0
LV	41,100	41,100	41,100	0.0	0.0
SI	22,000	24,000	24,000	9.1	0.0
EE	9,200	9,200	9,200	0.0	0.0
CY	8,200	8,920	9,000	8.8	0.9
MT	6,900	6,900	6,900	0.0	0.0
EU27	6,256,375	6,303,822	6,331,078	0.8	0.4

FORECAST

EU production of hatching eggs (expert forecast Spring 2024)

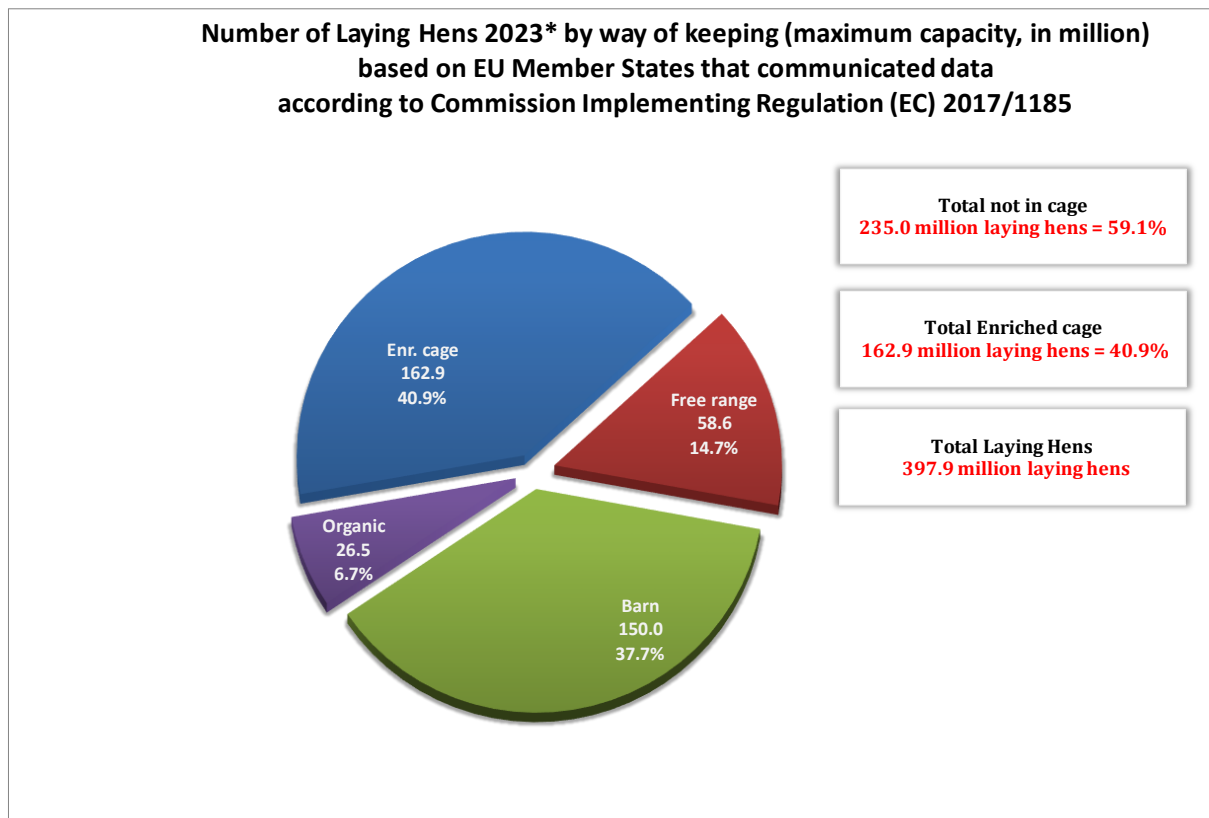
Source : Experts WG

Qty in Tonnes

% change

	2022	2023	2024	%2023/2022		%2024/2023	
PL	93,400	95,260	96,750		2.0		1.6
NL	78,000	78,000	78,000		0.0		0.0
FR	65,740	65,100	73,080		-1.0		12.3
DE	70,000	68,000	70,000		-2.9		2.9
ES	58,000	58,000	58,000		0.0		0.0
BE	47,000	47,000	47,000		0.0		0.0
IT	40,000	40,000	41,000		0.0		2.5
RO	25,000	25,000	30,000		0.0		20.0
EL	28,000	28,000	28,000		0.0		0.0
CZ	27,000	27,000	27,000		0.0		0.0
BG	23,500	24,000	24,000		2.1		0.0
HU	20,660	21,380	21,810		3.5		2.0
PT	21,000	21,700	21,800		3.3		0.5
SE	19,000	19,000	19,000		0.0		0.0
DK	11,200	12,000	12,000		7.1		0.0
AT	8,540	8,540	8,540		0.0		0.0
SK	7,000	8,000	8,000		14.3		0.0
HR	7,519	7,519	7,519		0.0		0.0
IE	5,700	5,500	5,700		-3.5		3.6
SI	4,250	4,300	4,000		1.2		-7.0
FI	1,970	1,950	1,940		-1.0		-0.5
LV	1,100	1,100	1,100		0.0		0.0
CY	1,030	910	1,000		-11.7		9.9
LT	1,000	1,000	1,000		0.0		0.0
EE	600	600	600		0.0		0.0
MT	200	200	200		0.0		0.0
EU27	666,409	669,059	687,039		0.4		2.7

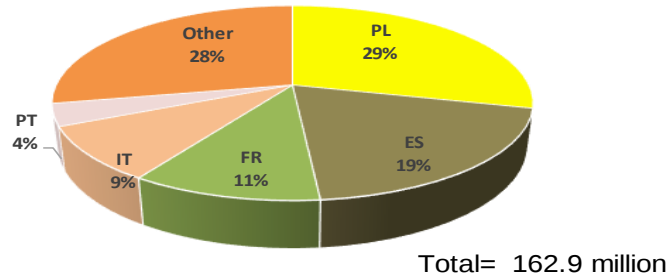
FARMING METHOD



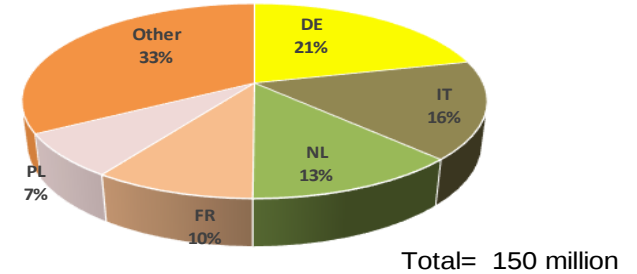
* EL with 2020 data; LT, SI with 2021 data; BE, HR, SE with 2022 data

FARMING METHOD

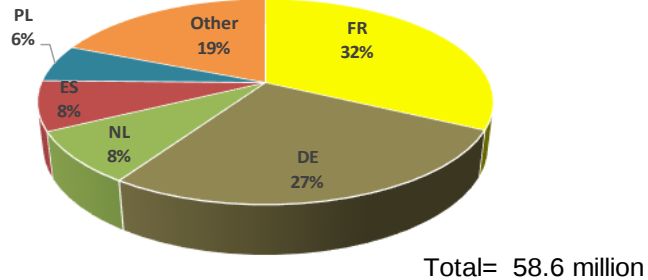
Number of laying hens
Enriched cage - 2023



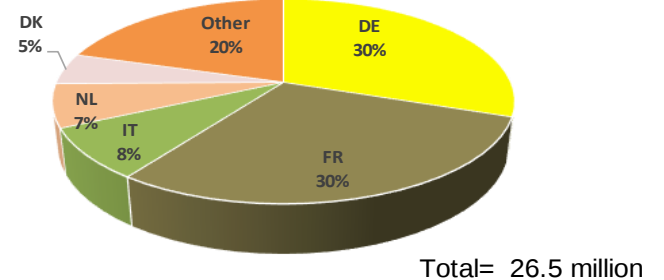
Number of laying hens
Barn - 2023



Number of laying hens
Free range - 2023



Number of laying hens
Organic - 2023



LAYING HENS



Number of laying hens by farming method (maximum capacity) according to notifications under Commission Implementing Regulation (EU) 2017/1185, Art. 12(b) - Annex III.9

2023			% by farming method in respective country			
Member State (MS)	Total laying hens in MS	% MS / EU	% enriched	% barn	% free range	% organic
PL	62,092,050	15.6%	75.6%	17.5%	5.6%	1.3%
FR	58,471,300	14.7%	30.1%	24.2%	32.3%	13.4%
DE	58,103,211	14.6%	4.0%	54.9%	27.2%	13.8%
ES	47,704,960	12.0%	67.1%	21.9%	9.6%	1.4%
IT	43,279,340	10.9%	34.0%	56.3%	4.9%	4.9%
NL	29,926,930	7.5%	14.8%	63.1%	16.1%	6.0%
BE***	10,905,879	2.7%	37.0%	42.3%	14.2%	6.5%
RO	10,367,463	2.6%	52.8%	42.4%	2.3%	2.5%
PT	8,946,930	2.2%	67.2%	25.7%	6.0%	1.2%
SE***	8,323,583	2.1%	2.7%	78.2%	7.4%	11.7%
CZ	7,294,745	1.8%	56.3%	41.5%	1.7%	0.5%
AT	7,168,105	1.8%	0.0%	55.6%	31.2%	13.2%
HU	7,124,002	1.8%	68.5%	29.6%	1.6%	0.4%
FI	5,945,695	1.5%	29.1%	62.9%	3.9%	4.0%
BG	5,203,191	1.3%	70.0%	25.3%	4.7%	0.0%
EL*	4,649,598	1.2%	76.5%	12.4%	5.5%	5.6%
IE	3,815,296	1.0%	39.2%	9.0%	48.4%	3.4%
LV	3,568,353	0.9%	68.6%	27.2%	4.0%	0.2%
DK	3,516,514	0.9%	0.0%	63.0%	0.0%	37.0%
LT**	2,926,891	0.7%	79.6%	18.5%	1.2%	0.6%
SK	2,833,782	0.7%	65.2%	27.6%	7.0%	0.3%
HR***	2,373,301	0.6%	62.0%	32.0%	5.5%	0.5%
SI**	1,449,060	0.4%	17.2%	61.4%	18.9%	2.6%
EE	888,773	0.2%	80.9%	7.6%	5.5%	6.0%
CY	534,036	0.1%	64.6%	17.5%	14.8%	3.0%
MT	364,624	0.1%	97.2%	2.8%	0.0%	0.0%
LU	142,672	0.0%	0.0%	62.1%	11.6%	26.4%
TOTAL	397,920,284	100%	40.9%	37.7%	14.7%	6.6%

* 2020 data

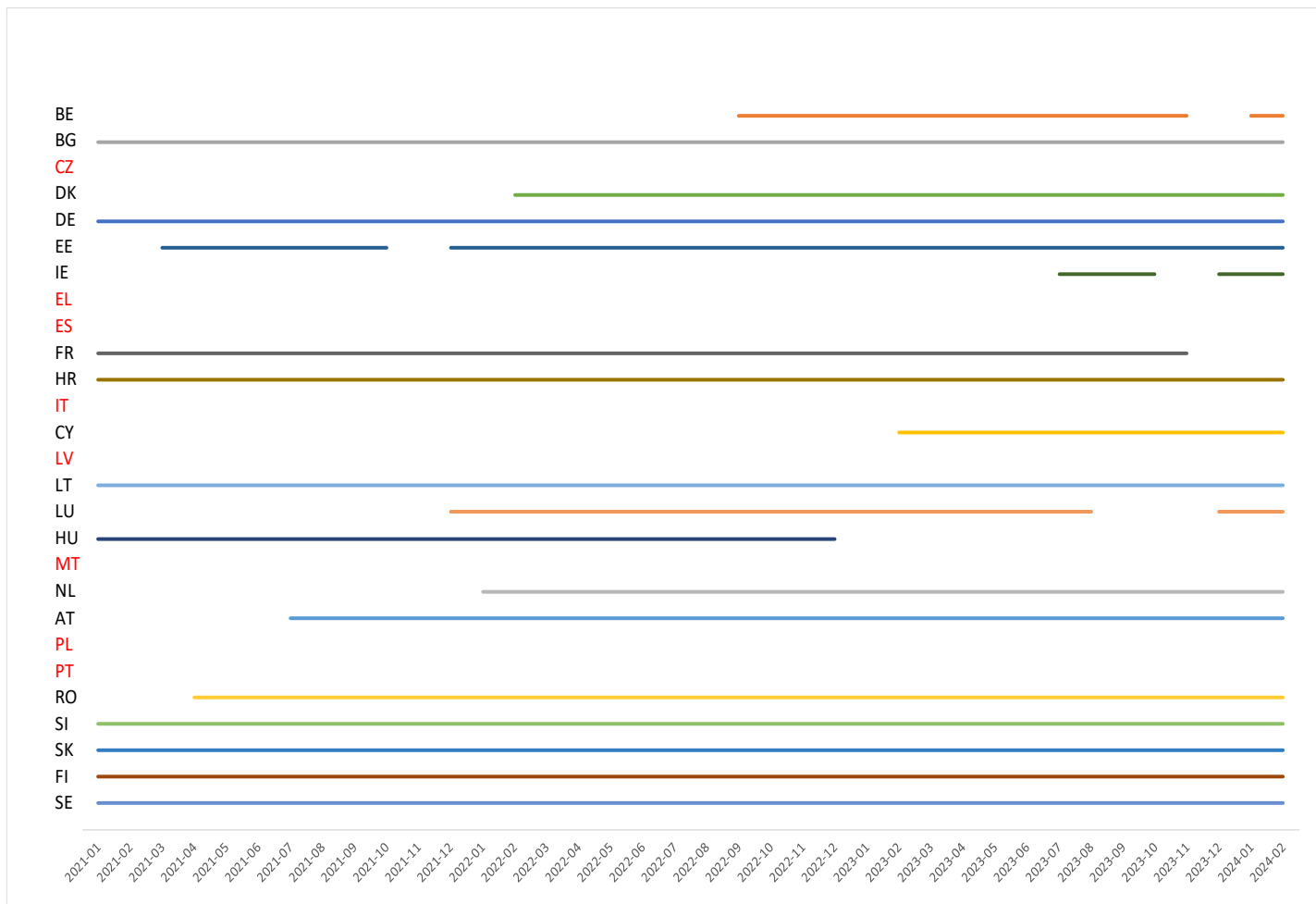
** 2021 data

*** 2022 data

EU market situation for Eggs
18 April 2024

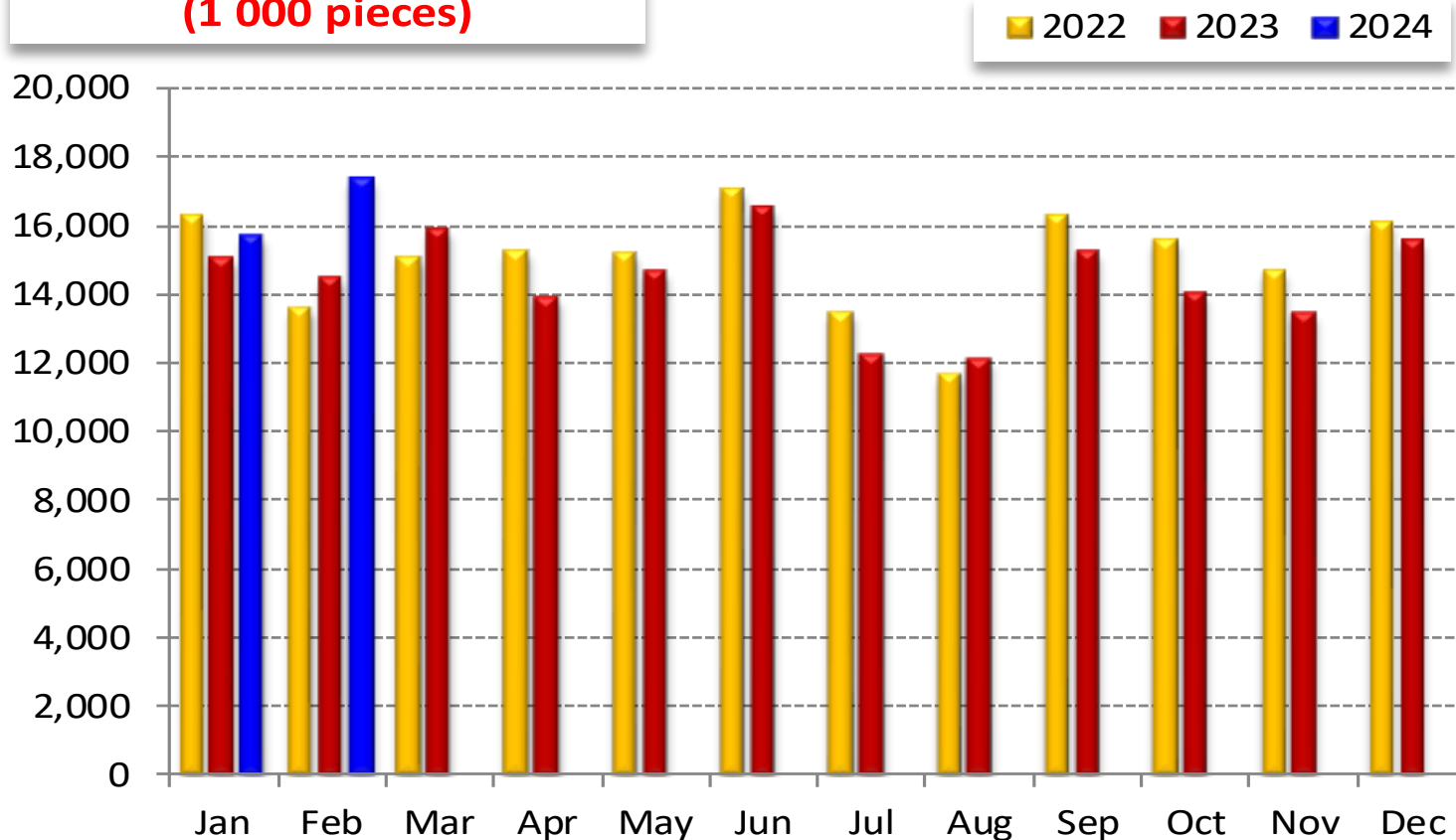
PRODUCTION

Reporting of monthly eggs production (Art. 12(b) – Annex III.9 of Commission Regulation R 2017/1185)



PLACINGS

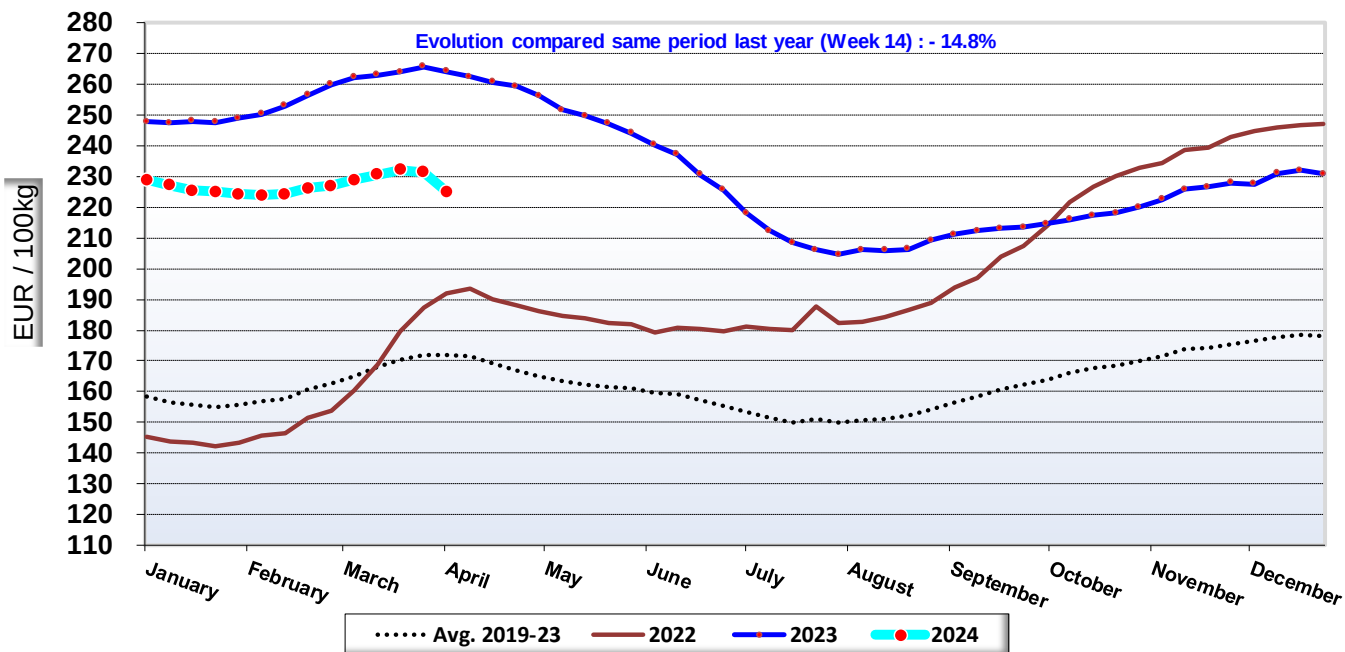
EU placing of laying hens (1 000 pieces)



PRICES

Evolution of the weekly EU* average price for **Class A** eggs in packing stations

Latest price ==> 225.08 EUR/100 kg



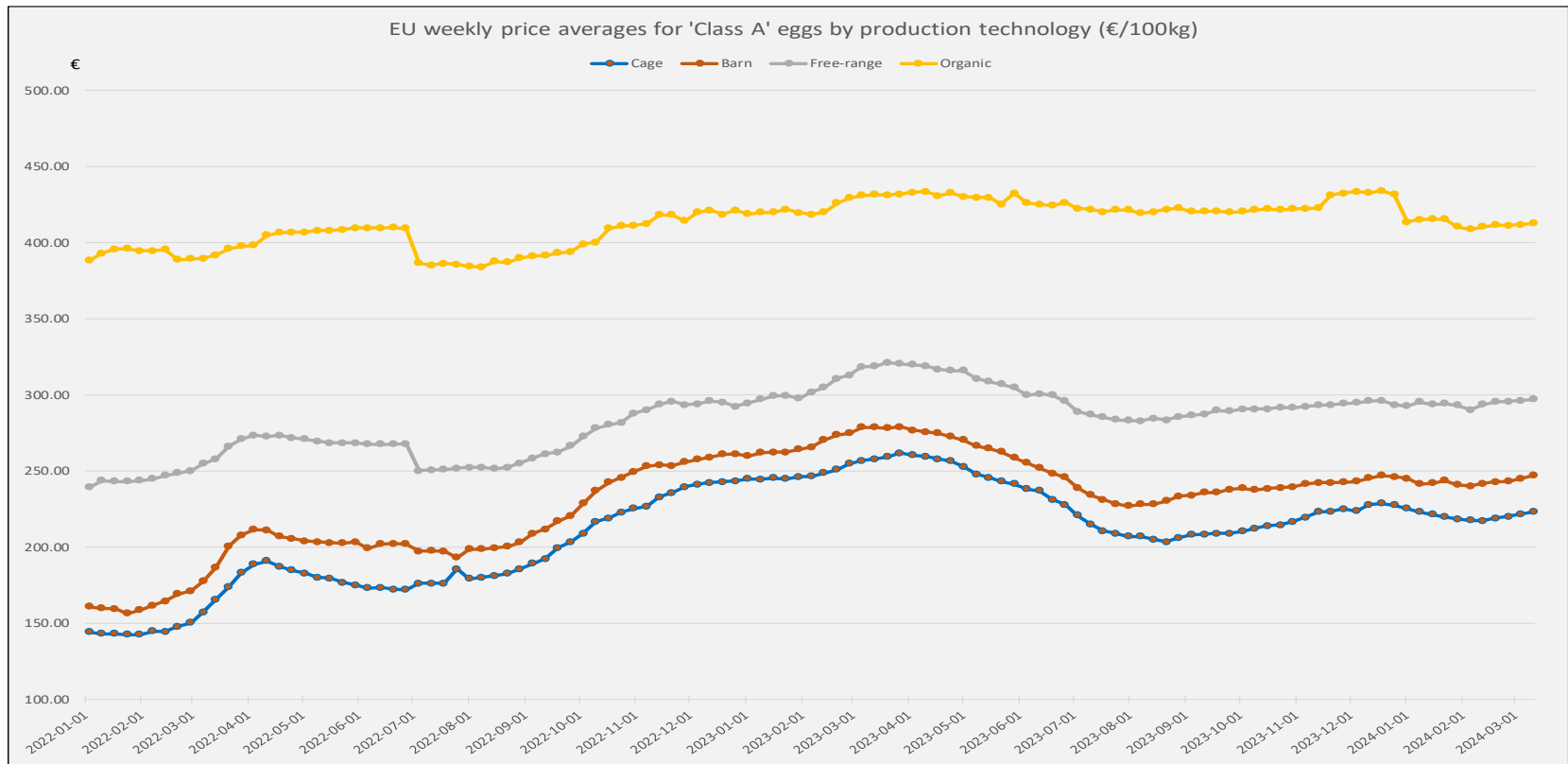
Source: MS notifications (Commission Implementing Regulation (EU) 2017/1185)

Price of March 24 compared to

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR	IT	CY	LV	LT	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	EU27
Feb 24	+ 4.5%	- 3.1%	+ 2.6%		+ 4.2%	+ 1.9%	+ 2.1%	+ 0.1%	+ 8.0%	+ 1.6%	- 4.0%	- 0.2%	+ 0.1%	+ 0.7%	- 0.5%	+ 9.6%	+ 7.6%	+ 3.8%	+ 0.3%	+ 0.1%	+ 0.4%	- 0.4%	+ 5.4%	+ 2.3%	- 0.0%	- 0.2%	+ 2.4%
Mar 23	- 27.2%	- 12.2%	- 25.5%		- 3.3%	+ 18.3%	+ 0.0%	+ 8.0%	- 18.0%	- 12.7%	- 14.8%	- 12.9%	+ 0.0%	- 7.0%	- 16.3%	- 13.8%	+ 1.2%	- 21.7%	- 1.8%	- 15.9%	- 13.9%	- 5.7%	+ 3.2%	- 19.2%	+ 0.1%	- 0.1%	- 12.4%

EU market situation for Eggs
18 April 2024

Weekly prices of 'Class A' eggs by production type



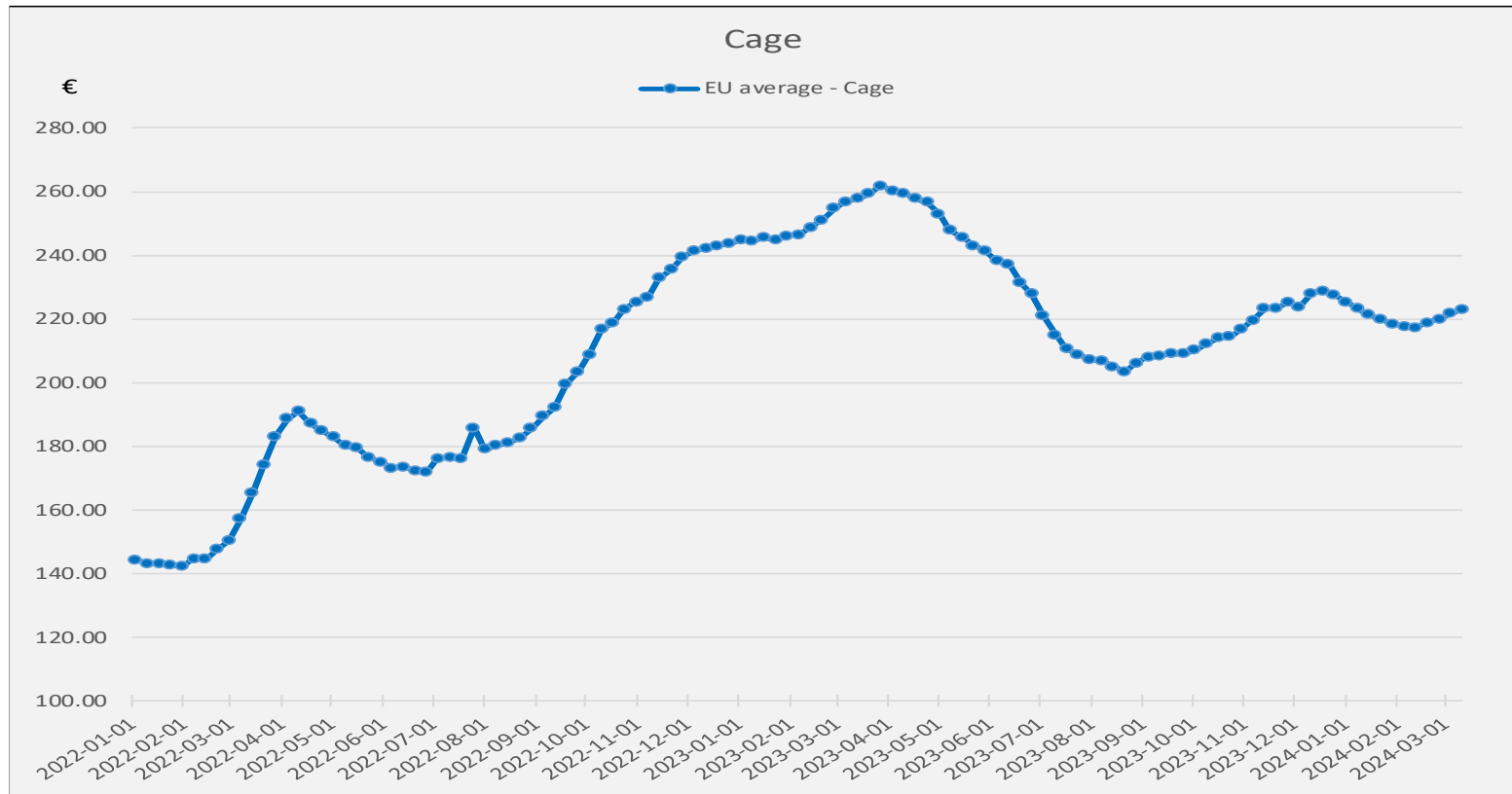
Week - 11	Cage	Barn	Free-range	Organic
EU	223.03	247.16	297.07	412.74

* Inclusion of DE notification in week 49 of 2021

Source: MS notifications (Commission Implementing Regulation (EU) 2017/1185)
! Prices reported by MS are preliminary and may be subject to change !

Weekly prices of 'Class A' eggs - Cage

Week - 11 **EU weekly price averages for 'Class A' eggs - Cage (€/100kg)**



Week - 11	€/100kg	Change 1 week	Change 4 weeks	Change 1 year
EU	223.03	+ 0.6%	+ 2.5%	- 13.5%

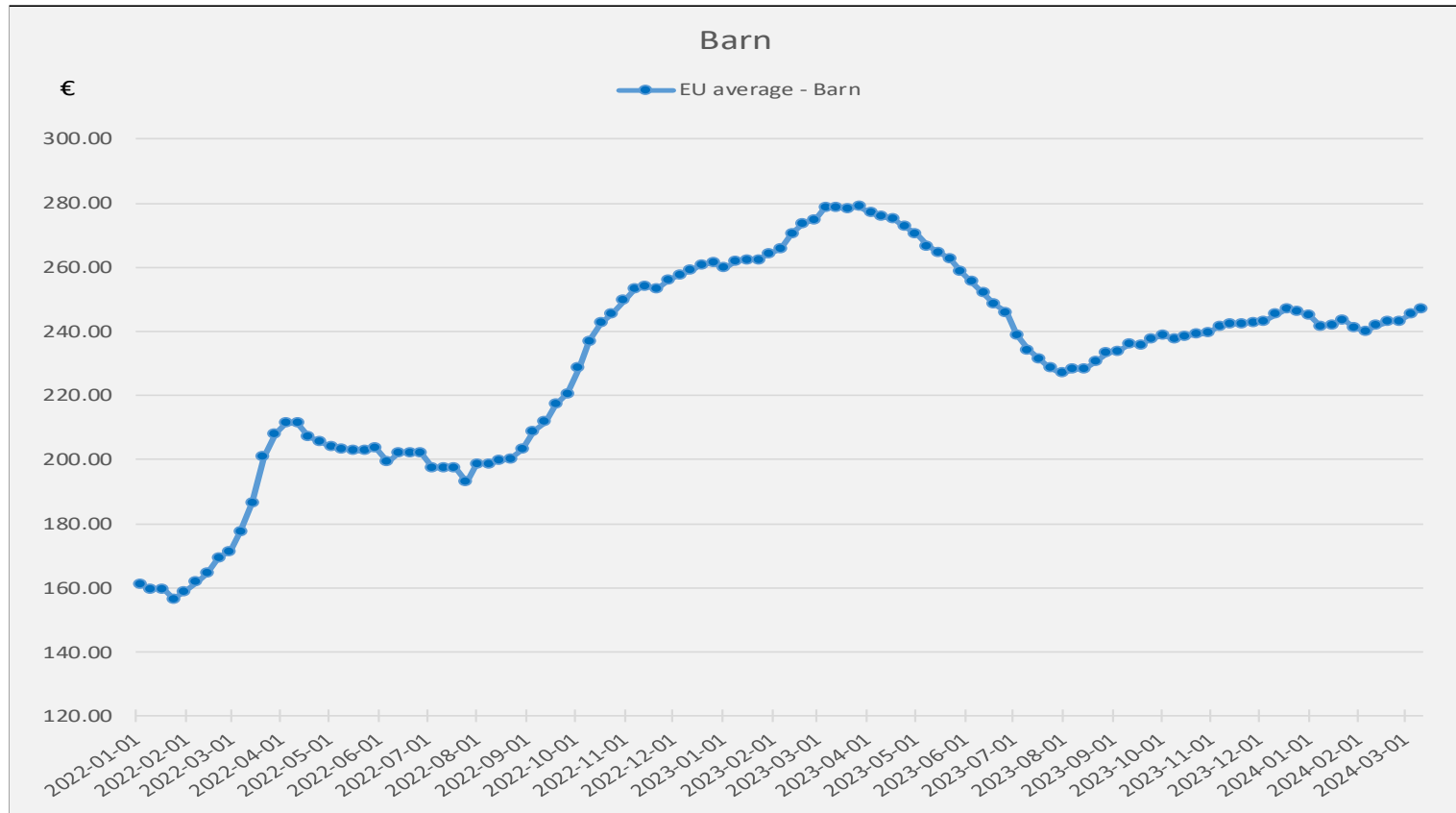
Source: MS notifications (Commission Implementing Regulation (EU) 2017/1185)

! Prices reported by MS are preliminary and may be subject to change !

EU market situation for Eggs
18 April 2024

Weekly prices of 'Class A' eggs - Barn

Week - 11 **EU weekly price averages for 'Class A' eggs - Barn (€/100kg)**



Week - 11	€/100kg	Change 1 week	Change 4 weeks	Change 1 year
EU	247.16	+ 0.8%	+ 2.3%	- 11.3%

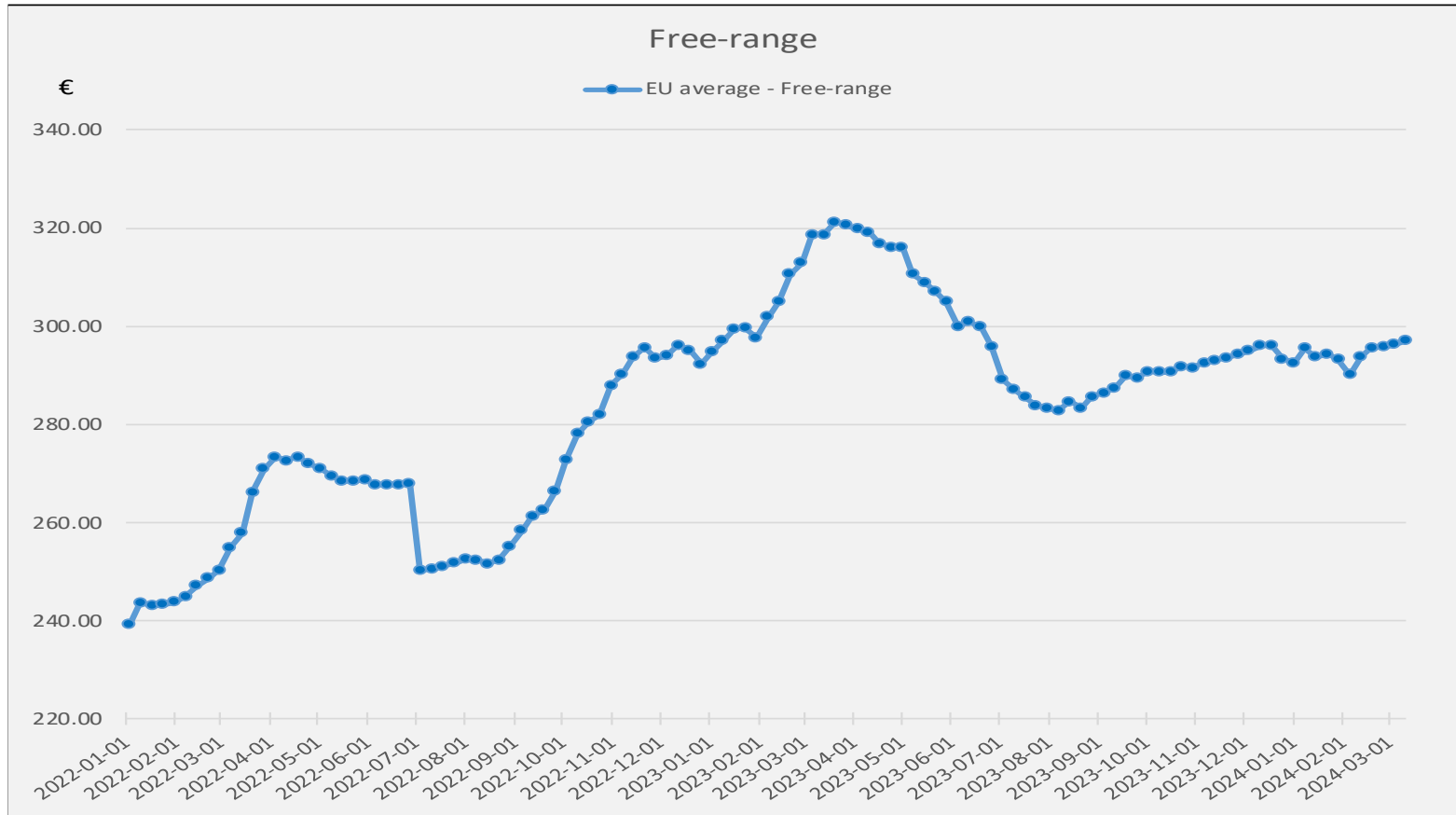
Source: MS notifications (Commission Implementing Regulation (EU) 2017/1185)

! Prices reported by MS are preliminary and may be subject to change !

Weekly prices of 'Class A' eggs – Free-range

Week - 11

EU weekly price averages for 'Class A' eggs - Free-range (€/100kg)

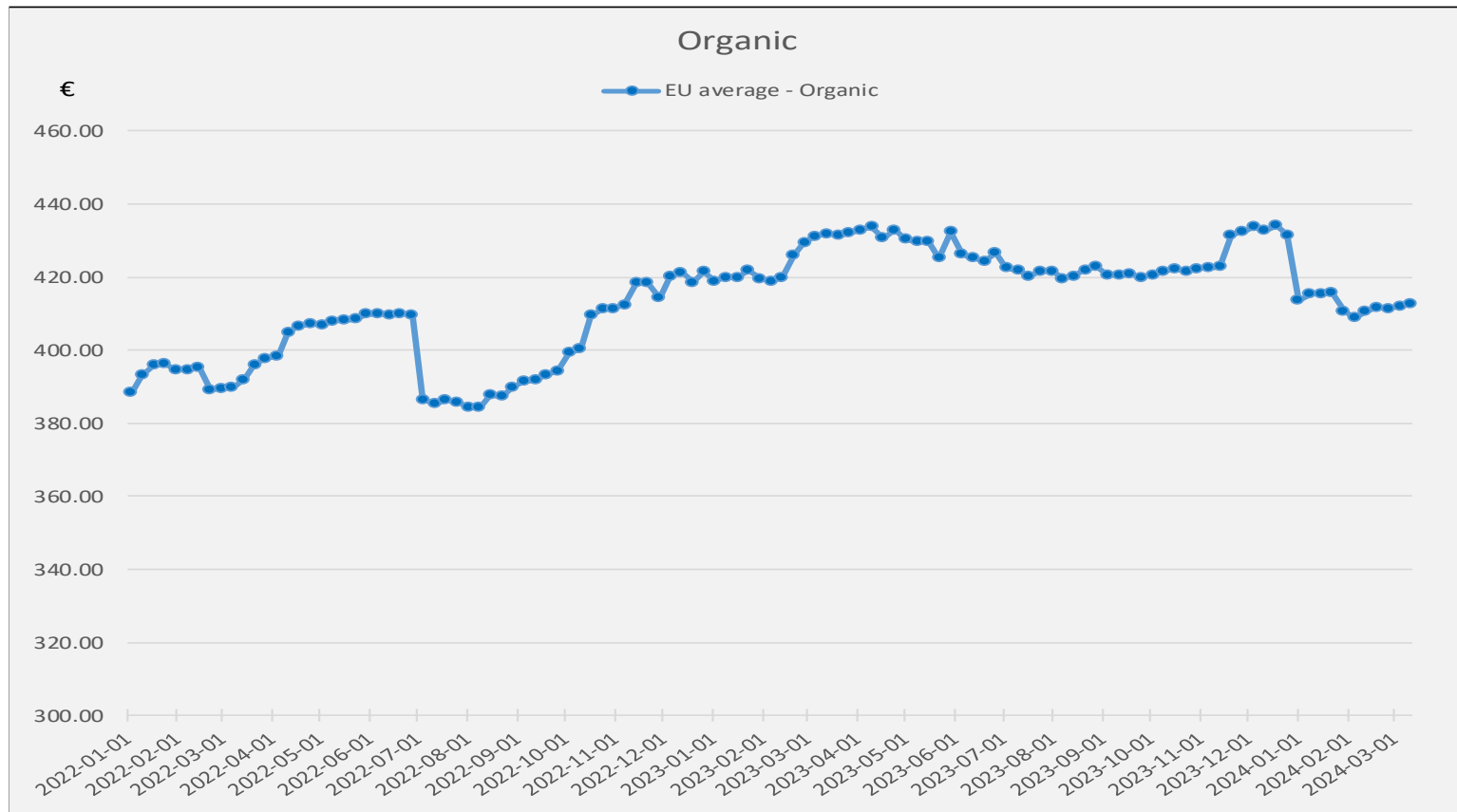


Week - 11	€/100kg	Change 1 week	Change 4 weeks	Change 1 year
EU	297.07	+ 0.3%	+ 1.1%	- 6.8%

Source: MS notifications (Commission Implementing Regulation (EU) 2017/1185)
! Prices reported by MS are preliminary and may be subject to change !

Weekly prices of 'Class A' eggs – Organic

Week - 11 **EU weekly price averages for 'Class A' eggs - Organic (€/100kg)**



Week - 11	€/100kg	Change 1 week	Change 4 weeks	Change 1 year
EU	412.74	+ 0.2%	+ 0.5%	- 4.4%

Source: MS notifications (Commission Implementing Regulation (EU) 2017/1185)

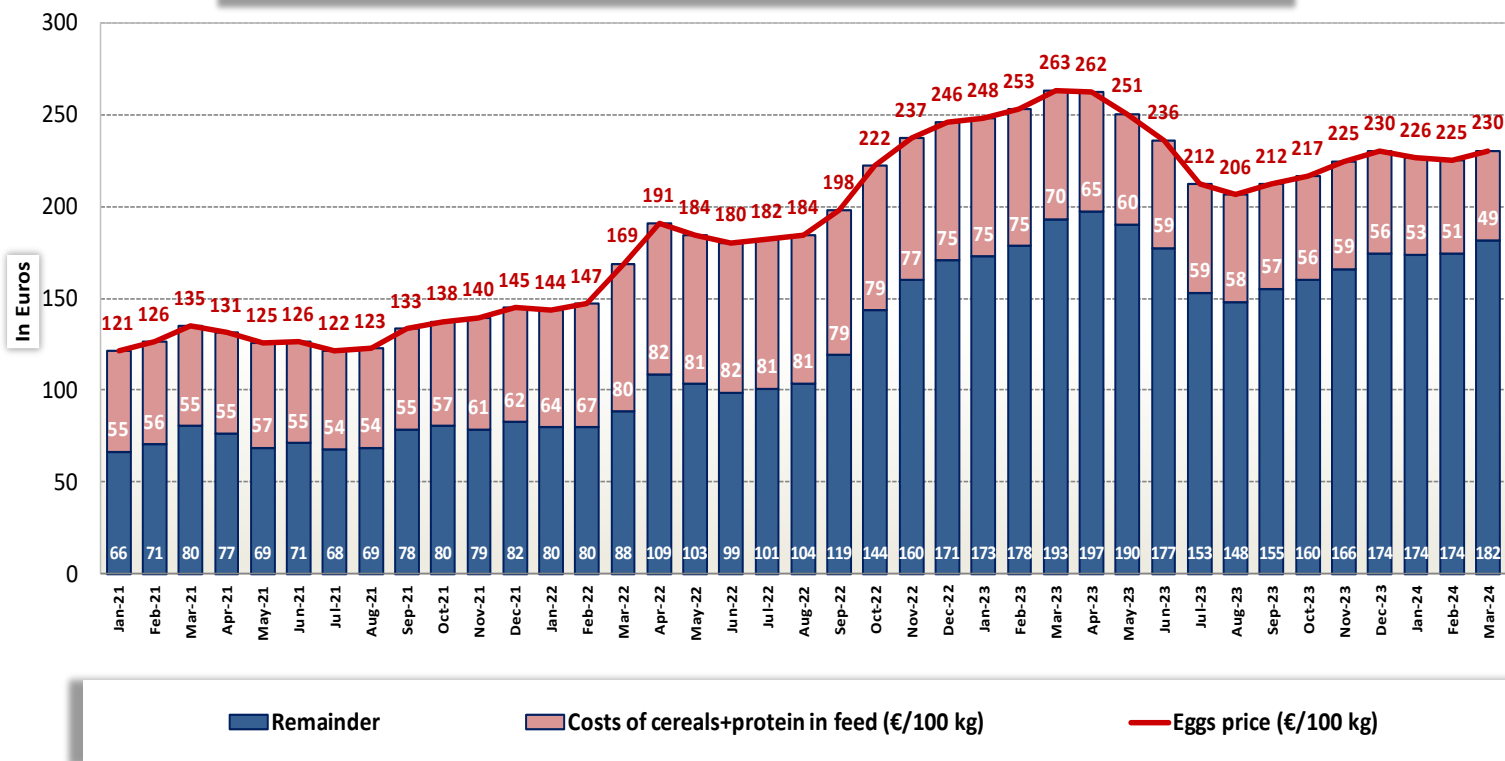
! Prices reported by MS are preliminary and may be subject to change !

* Inclusion of DE notification in week 49 of 2021

EU market situation for Eggs
18 April 2024

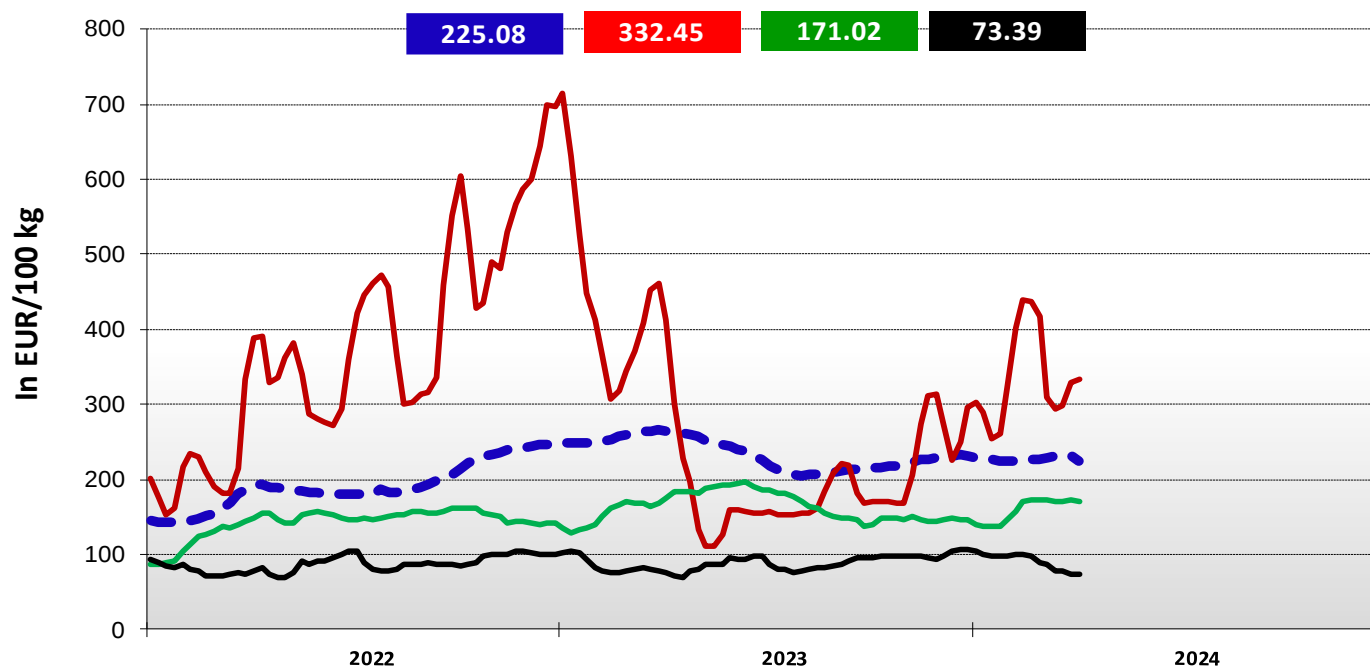
REMAINDER

Cost of cereals & protein in feed compared to average 'Class A' egg price
(€/100 kg)



WORLD MARKET

Egg prices of EU, USA, Brazil and India



Sources:

EU = weighted average of country prices - Average class L&M

US = weekly USDA prices - Eggs grade A ,Chicago

BR = average of prices in main producing states - (noticiasagricolas.com.br)

IN = average of NECC prices in available Production Centres - (e2necc.com)

EU US BR IN

EU market situation for Eggs
18 April 2024

TRADE

EU-27 Imports of Eggs (including UK)

	2020		2021		2022		2023		Jan 24		Compared to Jan 23
	tonnes	%	tonnes	%	tonnes	%	tonnes	%	tonnes	%	
Ukraine	13,479	24.1%	8,235	22.5%	26,010	51.4%	54,697	60.7%	6,280	66.7%	+ 88.3%
United Kingdom	30,414	54.4%	17,134	46.9%	12,086	23.9%	12,855	14.3%	1,398	14.8%	+ 150.4%
Argentina	1,825	3.3%	1,940	5.3%	3,238	6.4%	2,980	3.3%	682	7.2%	- 2.1%
USA	4,667	8.3%	3,420	9.4%	878	1.7%	1,243	1.4%	576	6.1%	+++
North Macedonia	455	0.8%	453	1.2%	903	1.8%	2,017	2.2%	128	1.4%	+ 38.3%
Other Destinations	5,092	9.1%	5,364	14.7%	7,463	14.8%	16,277	18.1%	352	3.7%	
Extra-EU	55,933		36,547		50,578		90,069		9,415		
% change			- 35%		+ 38%		+ 78%		+ 67.6%		

Trade Figures (Comext – tonnes egg equiv.) not including Hatching eggs

EU market situation for Eggs
18 April 2024

TRADE

EU-27 Imports of Eggs (including UK)

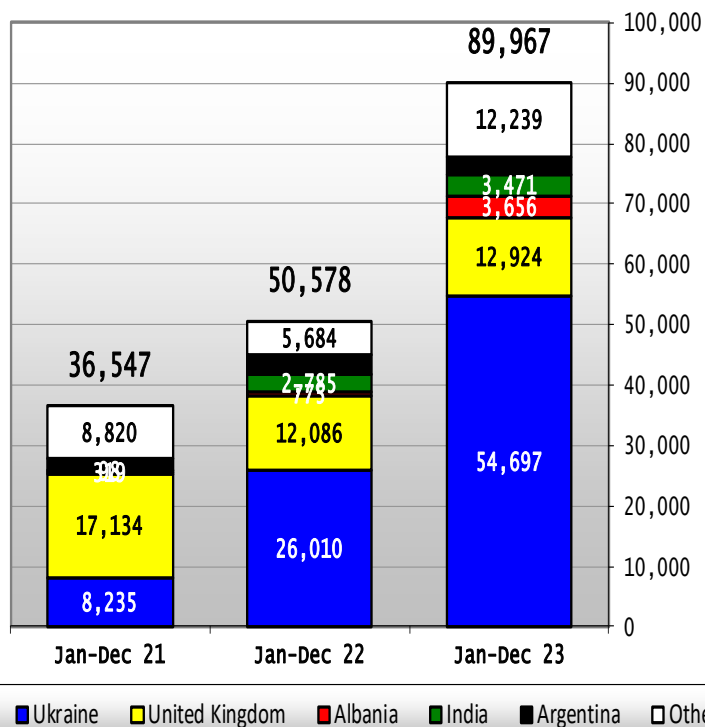
	2020		2021		2022		2023		Jan 24	Compared to Jan 23
	Thousand EUR	%	Thousand EUR	%	Thousand EUR	%	Thousand EUR	%	Thousand EUR	
Ukraine	11,305	21.0%	7,207	18.2%	40,173	51.9%	91,918	59.4%	9,870	+ 48.9%
United Kingdom	25,433	47.3%	17,835	45.0%	15,497	20.0%	21,669	14.0%	1,964	+ 45.1%
Argentina	1,465	2.7%	1,681	4.2%	3,588	4.6%	4,773	3.1%	1,111	+ 1.1%
USA	9,795	18.2%	6,970	17.6%	4,084	5.3%	4,937	3.2%	1,268	+ 146.4%
North Macedonia	400	0.7%	426	1.1%	1,581	2.0%	3,615	2.3%	266	+ 36.9%
Other Destinations	5,328	9.9%	5,540	14.0%	12,532	16.2%	27,854	18.0%	867	
Extra-EU	53,726		39,658		77,456		154,767		15,346	
% change			- 26%		+ 95%		+ 100%		+ 33.6%	

Trade Figures (Comext – tonnes egg equiv.) not including Hatching eggs

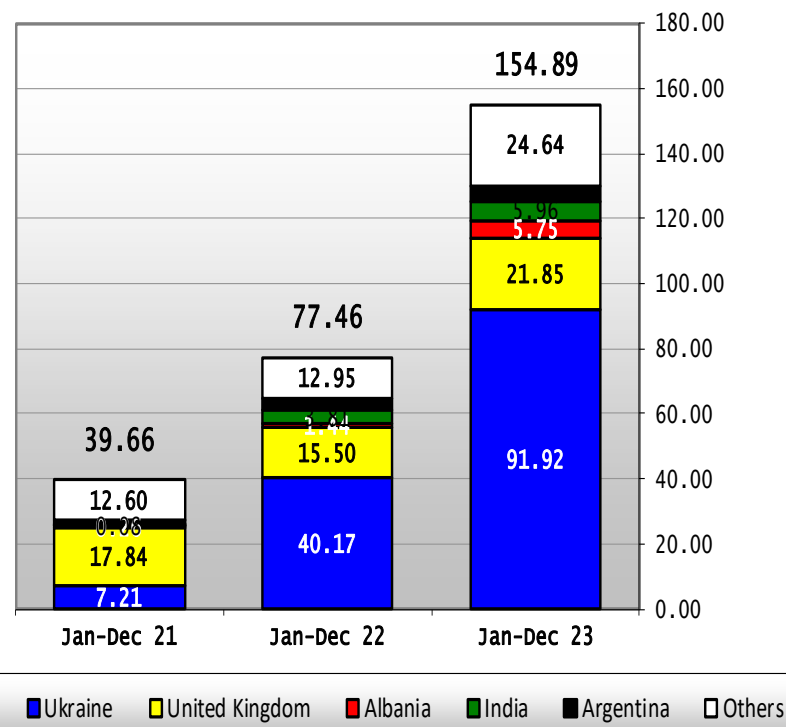
EU market situation for Eggs
18 April 2024

EU-27 Egg Imports

**Total EU Import of Eggs - not incl. Hatching eggs
(Tonnes eggs equiv)**

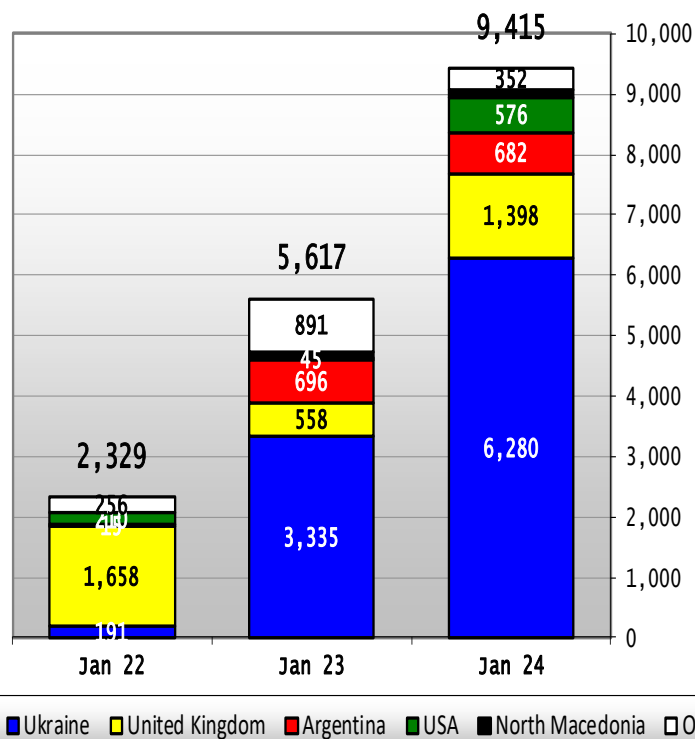


**Total EU Import of Eggs - not incl. Hatching eggs
(Million EUR)**

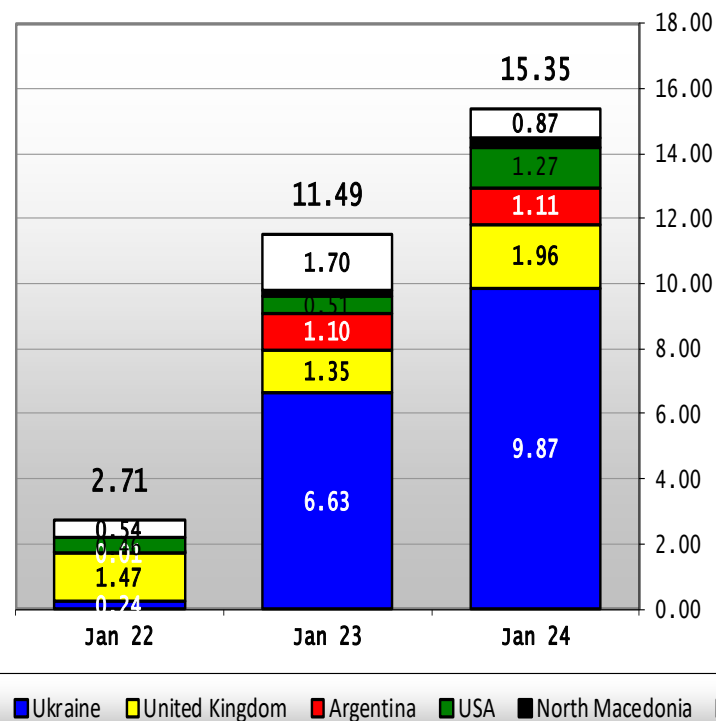


EU-27 Egg Imports

**Total EU Import of Eggs - not incl. Hatching eggs
(Tonnes eggs equiv)**

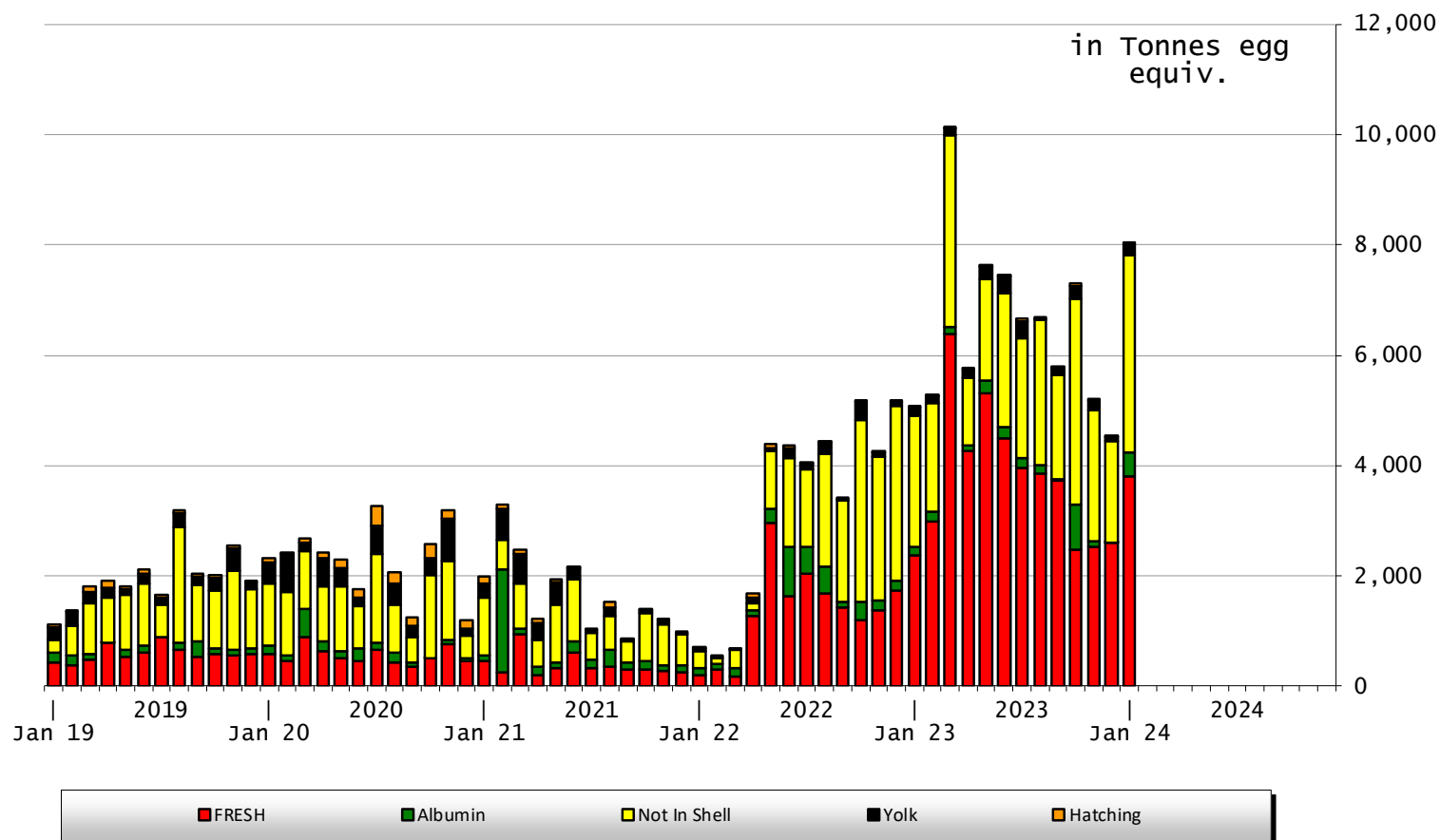


**Total EU Import of Eggs - not incl. Hatching eggs
(Million EUR)**

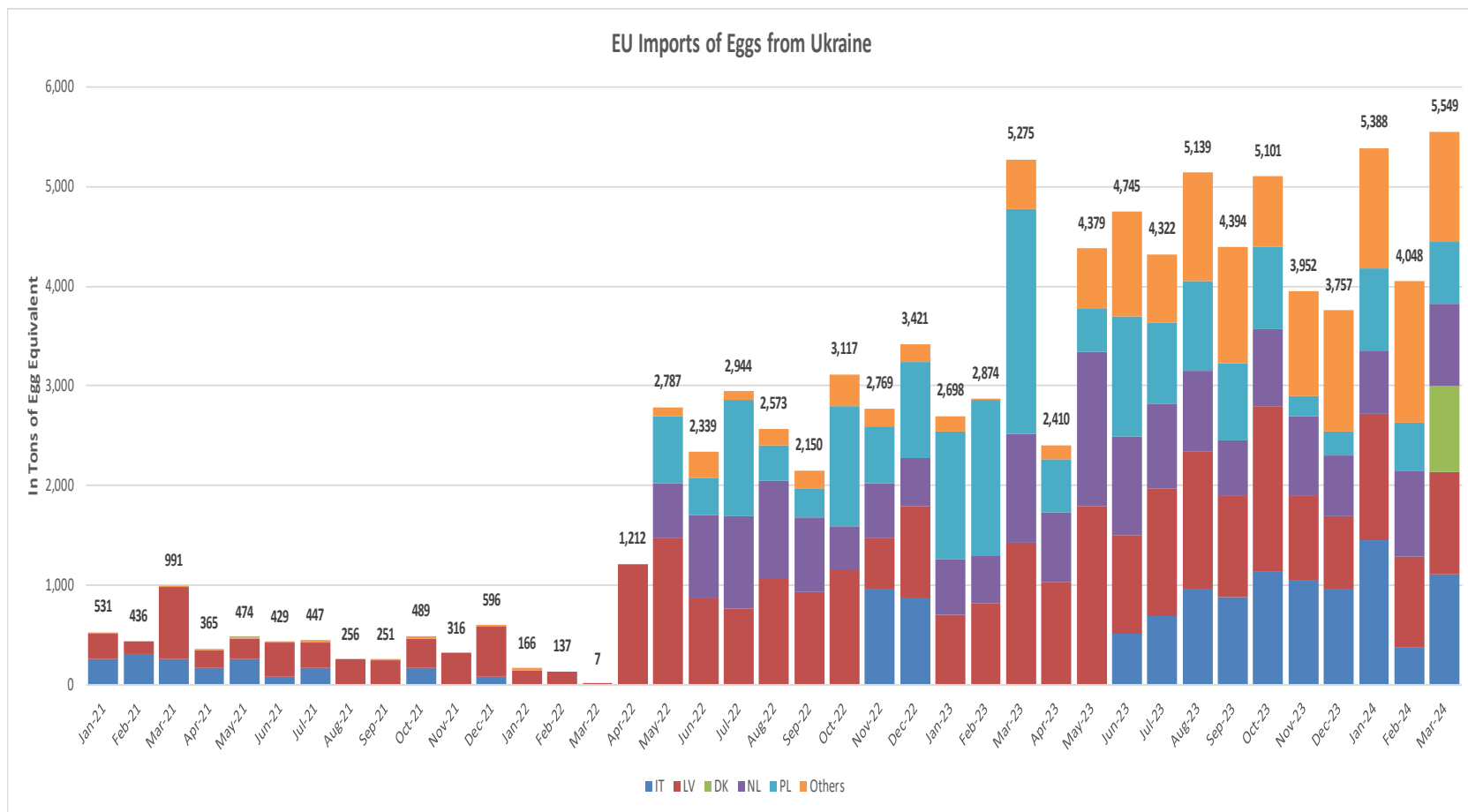


TRADE

EU Imports of selected EGGS products (including Hatching eggs)



TRADE



Source: Trade Figures TAXUD Surveillance database (fresh eggs, not in shell, yolk and albumin)
Please note that data is not completely stabilized for most recent periods

TRADE

EU-27 Exports of Eggs: (including UK)

	2020		2021		2022		2023		Jan 24		Compared to Jan 23
	tonnes	%	tonnes	%	tonnes	%	tonnes	%	tonnes	%	
United Kingdom	97,059	28.6%	85,383	23.3%	109,457	32.2%	135,228	42.9%	11,431	39.0%	+ 9.5%
Japan	68,022	20.0%	78,291	21.4%	81,305	23.9%	55,182	17.5%	4,737	16.2%	+ 66.6%
Switzerland	41,521	12.2%	39,988	10.9%	36,950	10.9%	38,526	12.2%	3,860	13.2%	+ 10.1%
Taiwan	7,994	2.4%	8,187	2.2%	7,070	2.1%	5,179	1.6%	1,411	4.8%	+++
South Korea	8,566	2.5%	10,729	2.9%	8,862	2.6%	7,594	2.4%	1,342	4.6%	+++
Thailand	10,545	3.1%	12,178	3.3%	8,850	2.6%	8,093	2.6%	1,050	3.6%	+ 94.5%
Russia	2,940	0.9%	7,576	2.1%	2,254	0.7%	1,983	0.6%	681	2.3%	+++
Malaysia	5,079	1.5%	5,428	1.5%	3,514	1.0%	2,889	0.9%	475	1.6%	+++
Israel	12,606	3.7%	8,637	2.4%	8,334	2.4%	6,793	2.2%	404	1.4%	- 20.5%
Türkiye	4,352	1.3%	5,240	1.4%	2,180	0.6%	3,301	1.0%	319	1.1%	+ 96.2%
Other Destinations	80,694	23.8%	104,931	28.6%	71,410	21.0%	50,799	16.1%	3,607	12.3%	
Extra-EU	339,378		366,568		340,185		315,568		29,317		
% change			+ 8%		- 7%		- 7%		+ 29.7%		

Trade Figures (Comext – tonnes egg equiv.) not including Hatching eggs

EU market situation for Eggs
18 April 2024

TRADE

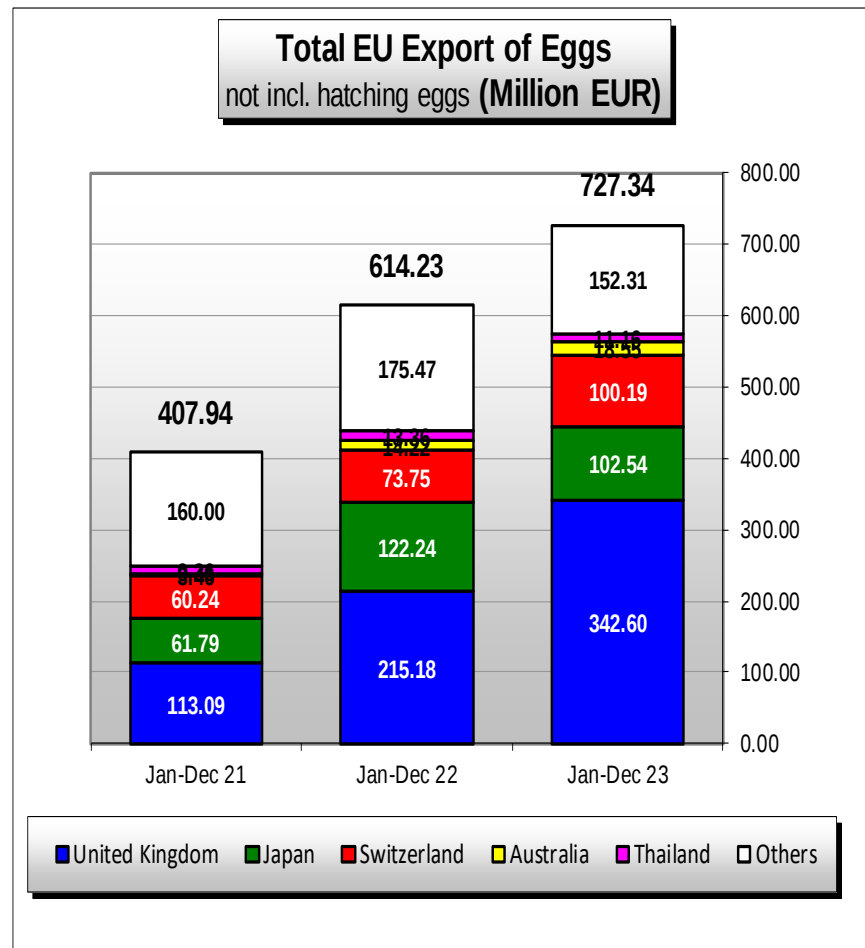
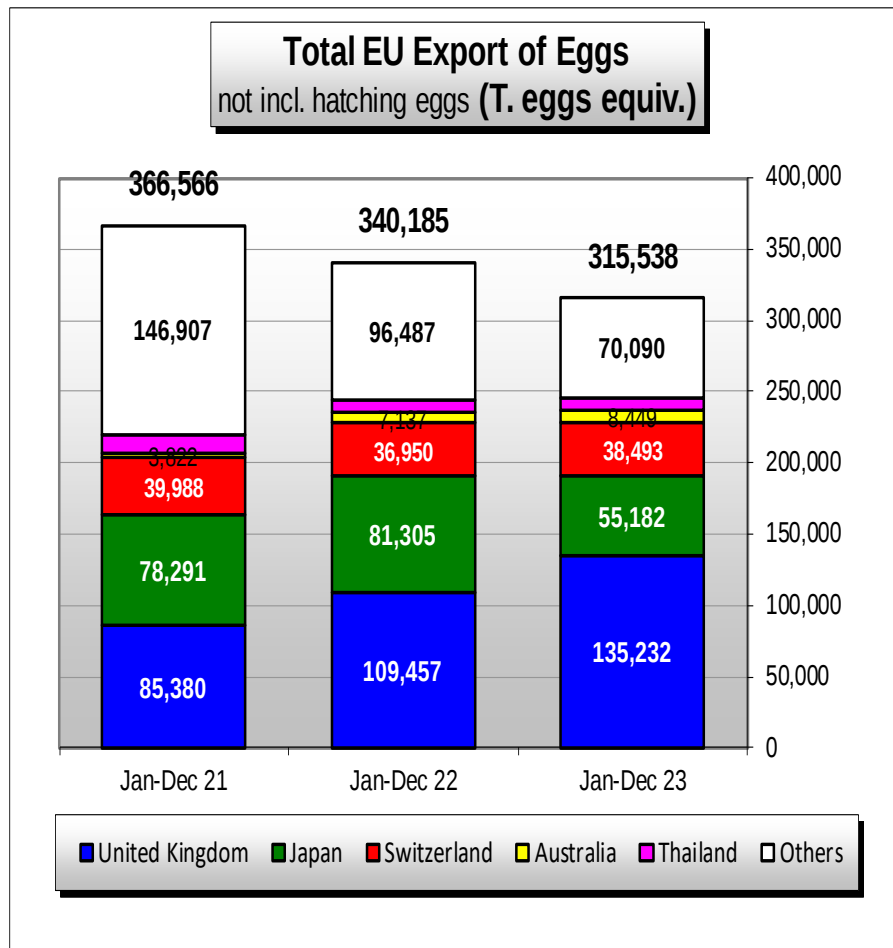
EU-27 Exports of Eggs: (including UK)

	2020		2021		2022		2023		Jan 24		Compared to Jan 23
	Thousand EUR	%	Thousand EUR	%	Thousand EUR	%	Thousand EUR	%	Thousand EUR	%	
United Kingdom	134,463	35.8%	113,099	27.7%	215,185	35.0%	342,590	47.1%	25,779	46.5%	- 4.1%
Japan	45,500	12.1%	61,791	15.1%	122,236	19.9%	102,545	14.1%	5,608	10.1%	- 1.2%
Switzerland	60,735	16.2%	60,243	14.8%	73,755	12.0%	100,258	13.8%	9,333	16.8%	+ 2.9%
Taiwan	5,206	1.4%	6,787	1.7%	9,743	1.6%	7,413	1.0%	1,317	2.4%	+ 49.6%
South Korea	6,673	1.8%	10,314	2.5%	16,058	2.6%	12,922	1.8%	1,697	3.1%	+ 97.0%
Thailand	6,917	1.8%	9,356	2.3%	13,360	2.2%	11,156	1.5%	969	1.7%	- 13.1%
Russia	1,981	0.5%	5,892	1.4%	2,840	0.5%	2,346	0.3%	585	1.1%	+ 0.0%
Malaysia	3,572	1.0%	4,667	1.1%	5,445	0.9%	4,550	0.6%	526	0.9%	+ 0.0%
Israel	13,512	3.6%	9,236	2.3%	15,568	2.5%	17,538	2.4%	864	1.6%	- 42.0%
Türkiye	2,898	0.8%	3,895	1.0%	3,257	0.5%	3,831	0.5%	301	0.5%	+ 0.0%
Other Destinations	93,694	25.0%	122,664	30.1%	136,785	22.3%	122,262	16.8%	8,461	15.3%	
Extra-EU	375,152		407,945		614,231		727,410		55,439		
% change			+ 9%		+ 51%		+ 18%		- 0.8%		

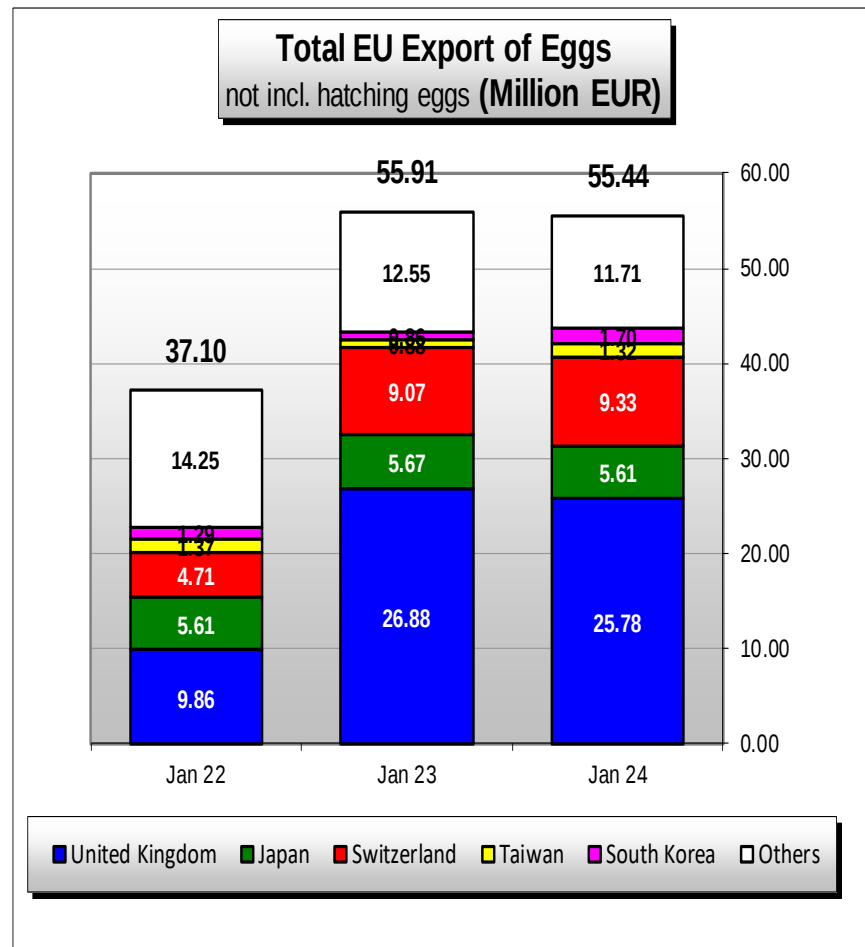
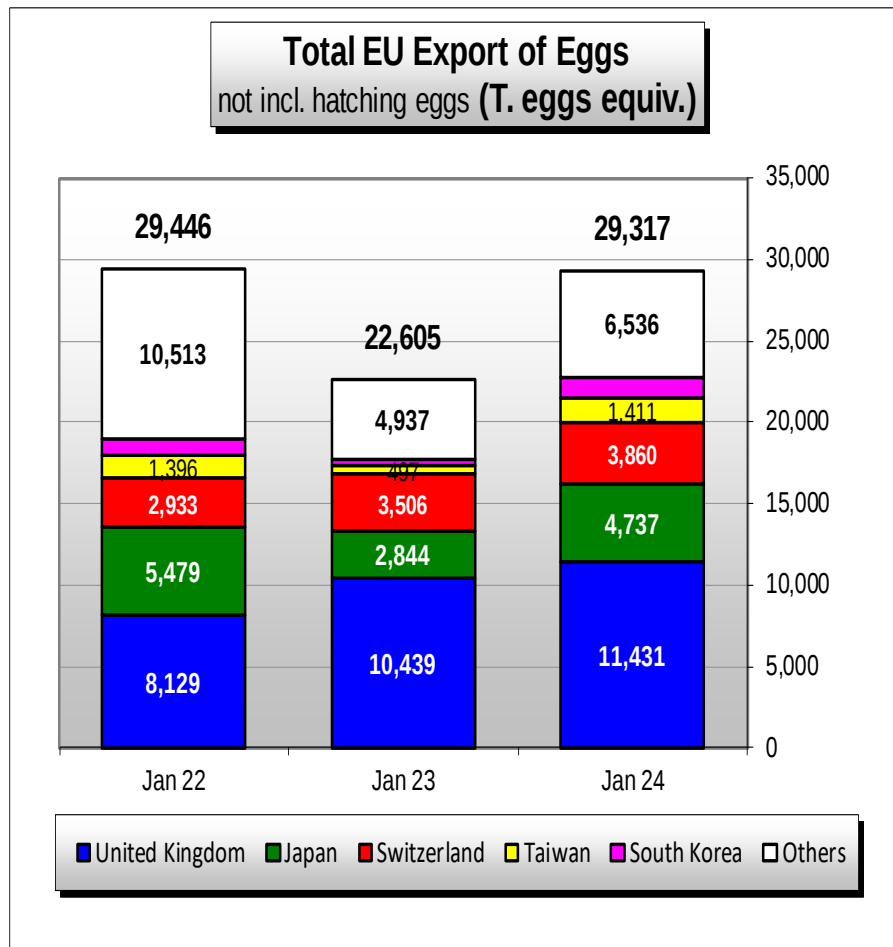
Trade Figures (Comext – tonnes egg equiv.) not including Hatching eggs

EU market situation for Eggs
18 April 2024

EU-27 Egg Exports

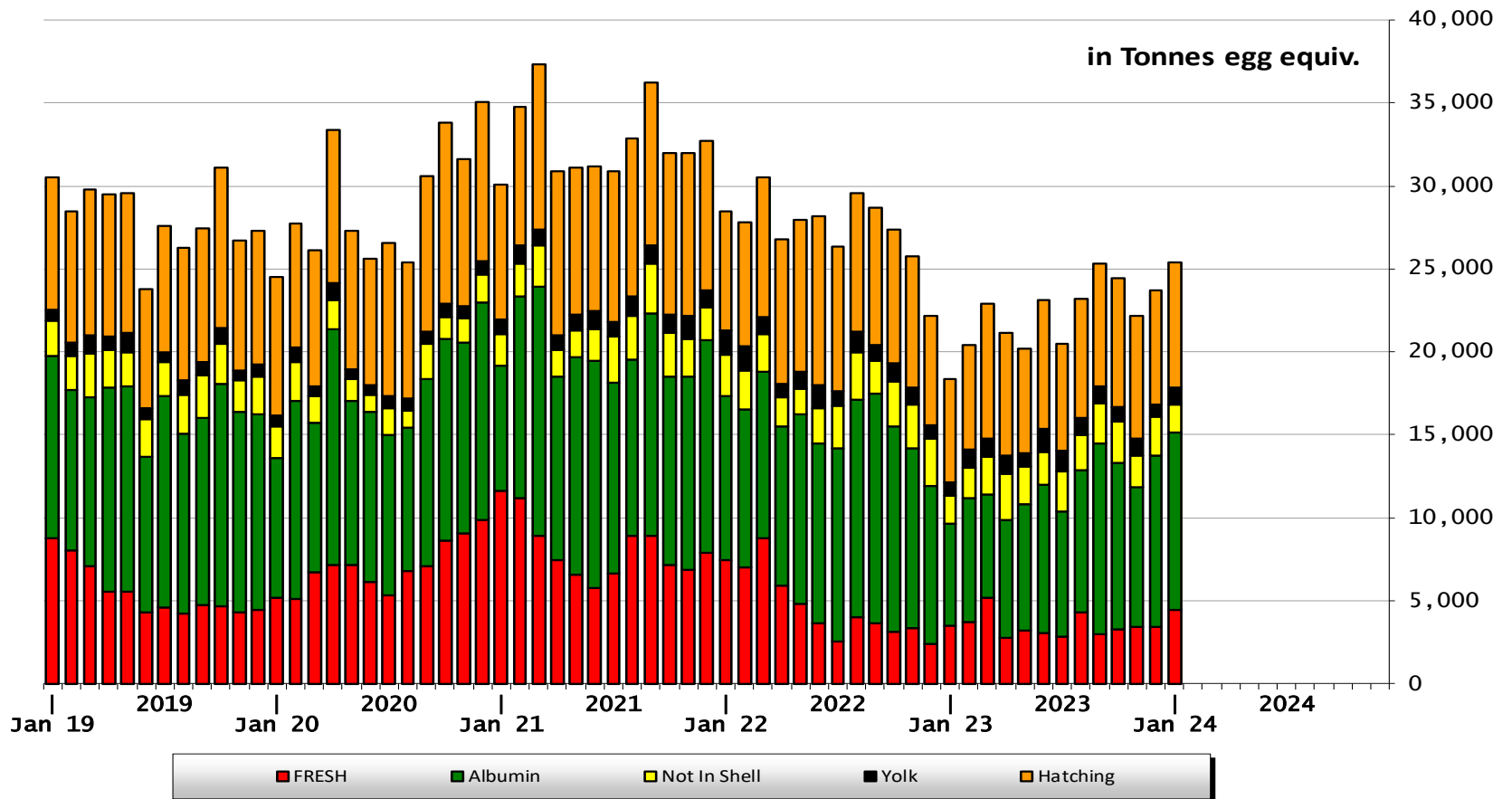


EU-27 Egg Exports



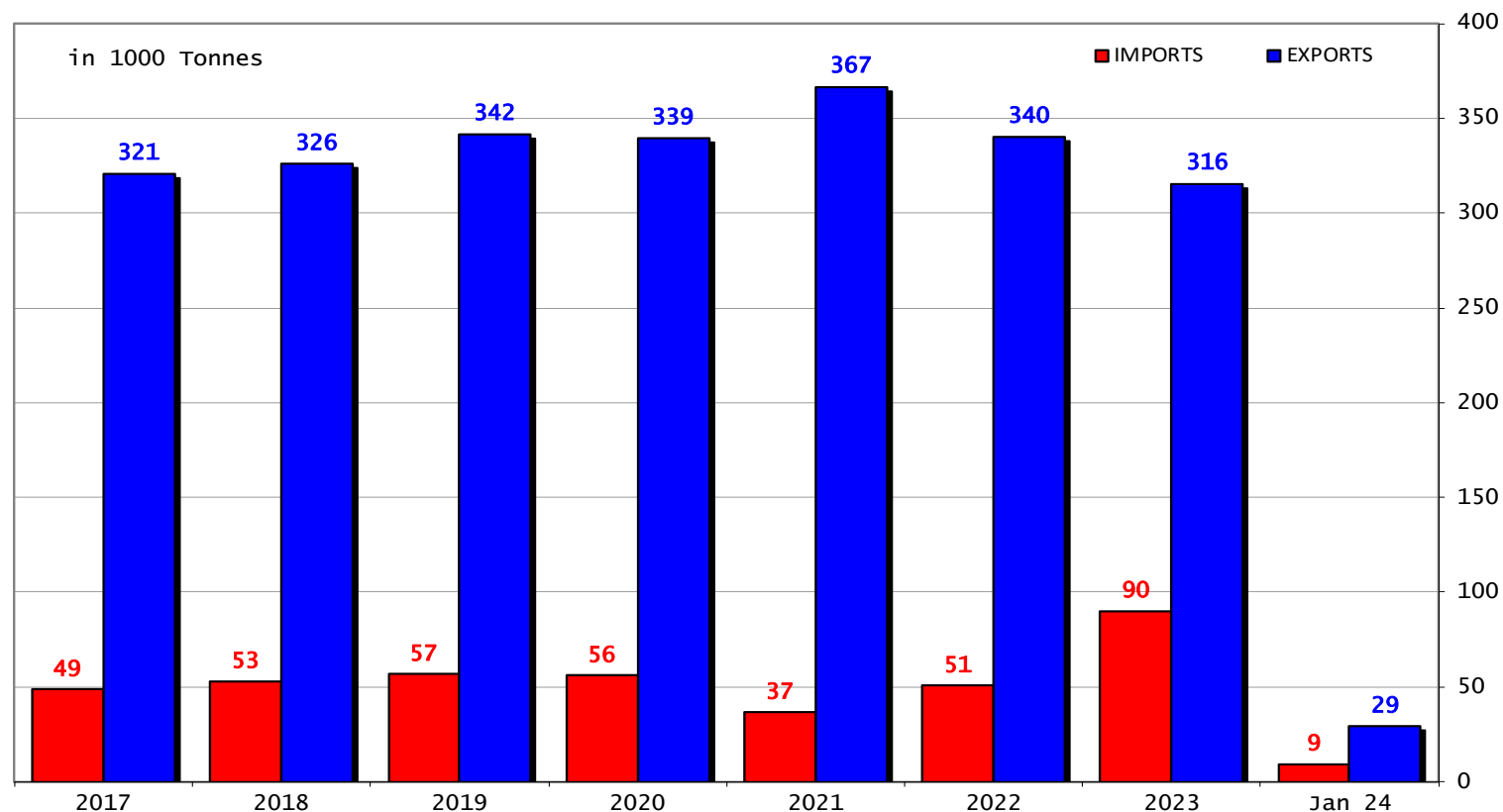
TRADE

EU Exports of selected EGGS products (including Hatching eggs)



TRADE

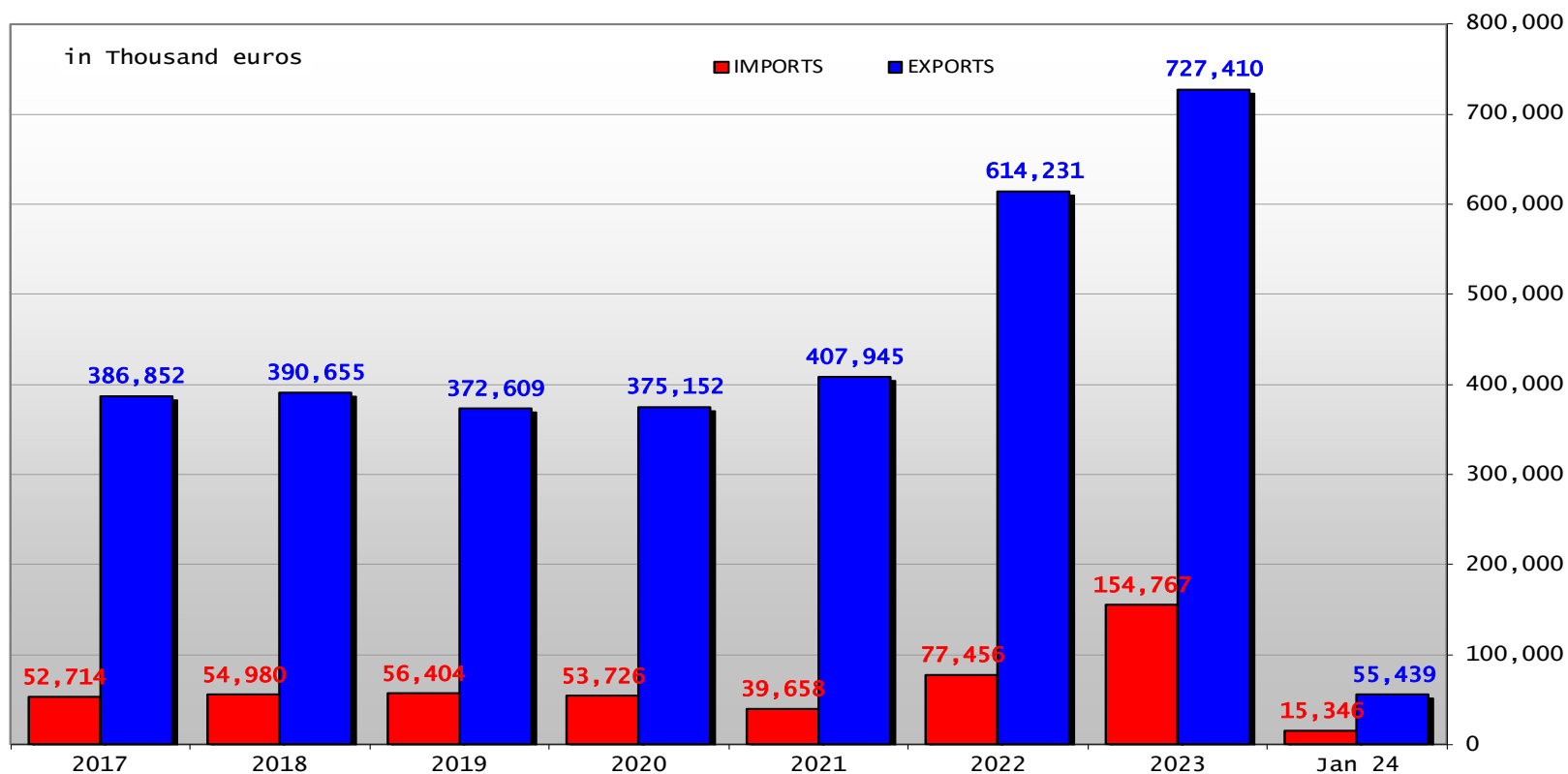
EU-27 Egg Trade Balance (not including Hatching eggs)



EU market situation for Eggs
18 April 2024

TRADE

EU-27 Egg Trade Balance (not including Hatching eggs)



EU market situation for Eggs
18 April 2024

EU Exports of hatching eggs

Trade figures (Comext - tonnes egg equivalent)

	2021		2022		2023		Jan-24		Compared to Jan-23	
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%		
Iraq	23,365	20%	13,539	13%	16,756	19%	2,239	28%		+ 138.4%
Russia	31,999	28%	21,345	21%	14,610	16%	1,269	16%		+ 36.8%
Saudi Arabia	22,530	19%	15,274	15%	7,723	9%	549	7%		- 23.5%
Libya	4,813	4%	4,901	5%	7,240	8%	524	7%		+ 1.0%
Ukraine	2,459	2%	5,826	6%	7,210	8%	695	9%		+ 36.3%
United Kingdom	4,947	4%	4,834	5%	4,942	5%	419	5%		- 4.5%
Mexico	211	0%	10,501	10%	4,536	5%	61	1%		- 80.8%
USA	2,250	2%	3,887	4%	3,346	4%	6	0%		- 97.0%
Switzerland	2,810	2%	2,915	3%	3,243	4%	293	4%		+ 22.6%
Others	20,415	18%	20,563	20%	20,519	23%	1,889	24%		+ 4.0%
Total to Third Countries	115,799		103,586		90,125		7,944			
% change Year / Year-1	+ 7.6%		- 10.5%		- 13.0%		+ 20.1%			

EU Exports of one-day chicks

Trade figures (Comext - tonnes)

	2021		2022		2023		Jan-24		Compared to Jan-23	
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%		
Ukraine	4,524	50%	3,580	48%	4,084	49%	326	50%		+ 17.9%
United Kingdom	237	3%	376	5%	720	9%	28	4%		+ 11.6%
Albania	411	5%	376	5%	422	5%	43	7%		+ 49.7%
Serbia	296	3%	304	4%	319	4%	16	2%		- 33.7%
Ghana	436	5%	384	5%	305	4%	19	3%		+ 46.5%
Belarus	87	1%	372	5%	279	3%	23	3%		- 12.1%
Morocco	334	4%	225	3%	208	3%	21	3%		+ 11.7%
Algeria	212	2%	162	2%	195	2%	13	2%		- 0.5%
Mali	127	1%	110	1%	115	1%	8	1%		- 13.2%
Others	2,335	26%	1,573	21%	1,681	20%	151	23%		+ 32.7%
Total to Third Countries	8,998		7,462		8,328		648			
% change Year / Year-1	- 17.0%		- 17.1%		+ 11.6%		+ 18.2%			

THANK YOU VERY MUCH
More Information

Market monitoring and weekly prices

https://agriculture.ec.europa.eu/farming/animal-products/eggs_en

AGRI-FOOD dataportal

https://agridata.ec.europa.eu/extensions/DataPortal/agricultural_markets.html

Trade and quotas

<https://agridata.ec.europa.eu/extensions/DataPortal/trade.html>



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.