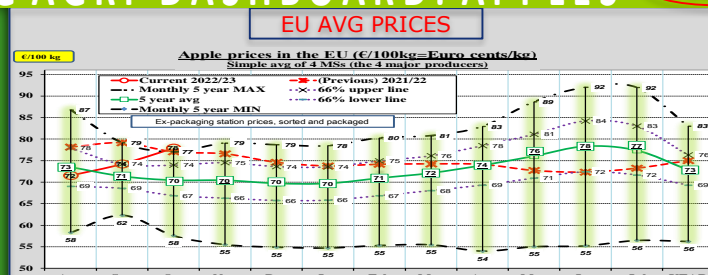
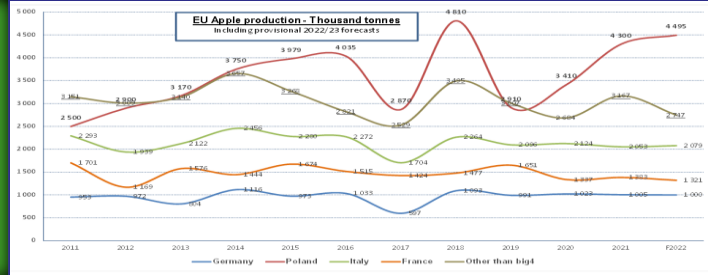


Prices



EU - Big 4

	2017/18	2018/19	2019/20	2020/21	(Previous) 2021/22	Current 2022/23	5 year avg	% current year to histo. 5 year avg	% to preceding month in 5 year avg	% to preceding month in current year
Aug	66	79	58	87	78	72	73	97		
Sep	74	65	62	76	77	74	71	104	-3	4
Oct	76	58	64	77	79	75	70	111	-1	5
Nov	78	55	63	79	77	70	70		0	
Dec	77	55	64	79	75	70	71		2	
Jan	77	55	65	78	74	70	72		2	
Feb	79	55	66	80	74	71	72		2	
Mar	81	55	70	80	74	72	76		3	
Apr	83	54	77	82	74	77	78		3	
May	89	55	82	82	73	76	77		3	
Jun	90	65	92	82	73	78	78		3	
Jul	92	56	90	75	73	77	73		-1	
YEAR	80	58	71	80	75	73	73			



EU: Apples (all CN codes) - Monthly EXPORT (Quantity in tonnes)

Destination: Extra-European Union

EU27 EXPORT VOLUME - 080810
Provisional data 2022/23 - Data source: Teagrad
Partial data for the last two months

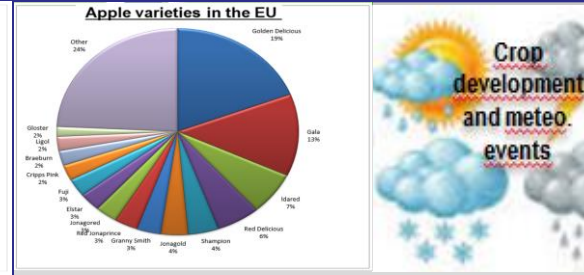
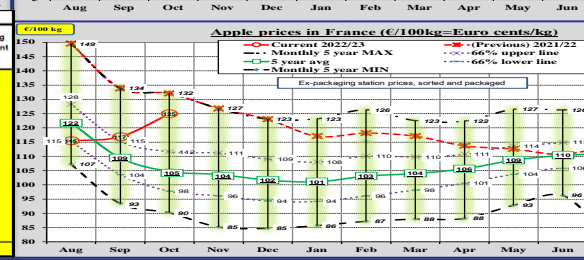
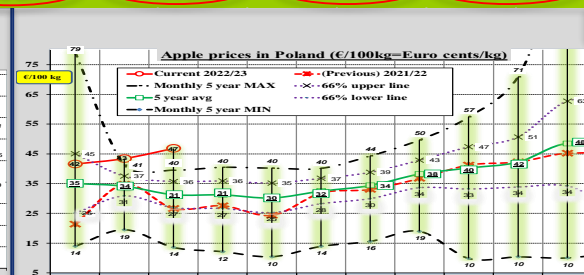
Marketing Year	Month	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023		37 656	77 882	52 475									
2021/2022		59 501	85 373	105 425	130 612	135 379	103 865	109 985	118 784	98 619	98 725	63 913	29 744
2020/2021		28 351	60 166	96 771	105 982	98 491	108 362	121 777	123 779	93 360	79 652	68 847	37 894
2019/2020		43 257	81 918	116 385	122 993	120 839	99 828	108 824	93 921	70 470	52 933	34 258	15 590
2018/2019		25 640	59 905	98 141	123 314	116 257	120 694	150 192	135 529	110 546	128 493	67 961	49 825
2017/2018		30 491	52 969	70 078	79 633	84 328	79 318	78 610	85 500	54 173	49 457	44 367	13 981
2016/2017		42 455	84 981	105 228	124 648	150 542	165 915	170 448	175 578	150 313	140 778	98 138	37 672
2015/2016		46 663	89 592	123 611	128 564	141 761	150 403	194 200	186 434	189 988	160 240	106 816	48 816

EU: Apples (all CN codes) - Monthly EXPORT (Average Price in Euro per 100kg)

Destination: Extra-European Union

EU27 AVERAGE EXPORT PRICE - 080810
Provisional data 2022/23 - Data source: Teagrad
Partial data for the last two months

Marketing Year	Month	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023		82	81	73									
2021/2022		69	76	72	74	86	86	82	81	79	71	69	71
2020/2021		94	75	69	72	71	80	77	77	79	71	63	59
2019/2020		66	72	68	68	65	64	65	65	62	70	76	89
2018/2019		75	71	62	61	61	56	54	54	46	39	36	42
2017/2018		81	85	77	77	70	68	66	68	62	61	57	79
2016/2017		69	75	65	63	57	52	46	45	40	42	42	52
2015/2016		78	80	64	57	61	56	51	45	39	39	39	44



EU: Apples (all CN codes) - Monthly IMPORT (Quantity in tonnes)

Origin: Extra-European Union

EU27 IMPORT VOLUME - 080810
Provisional data 2022/23 - Data source: Teagrad
Partial data for the last two months

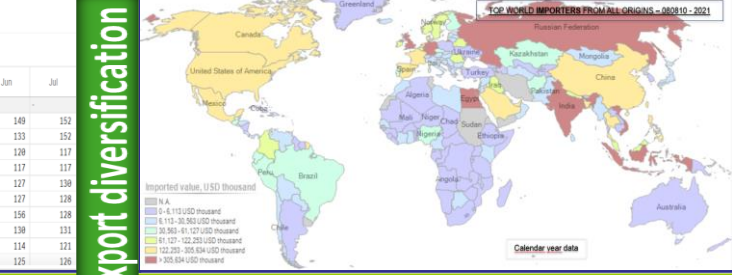
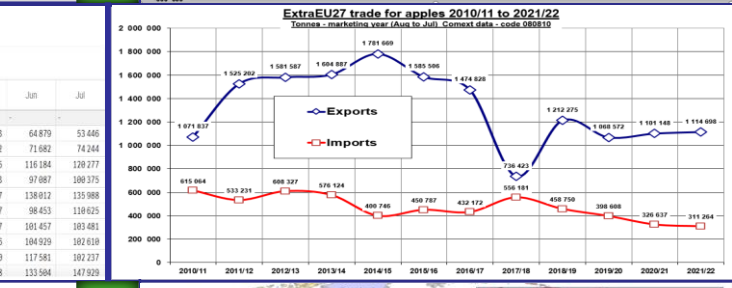
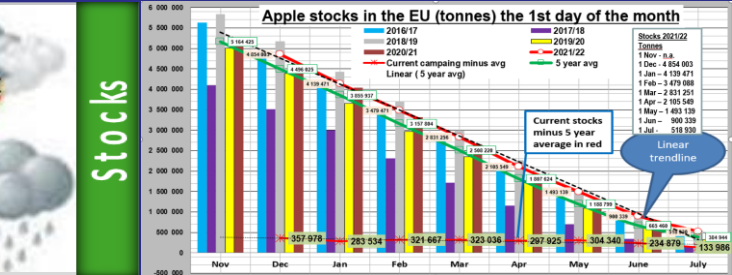
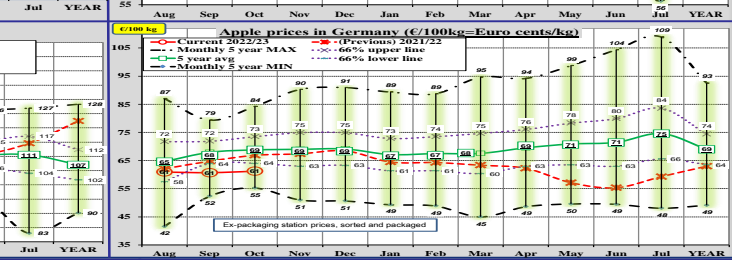
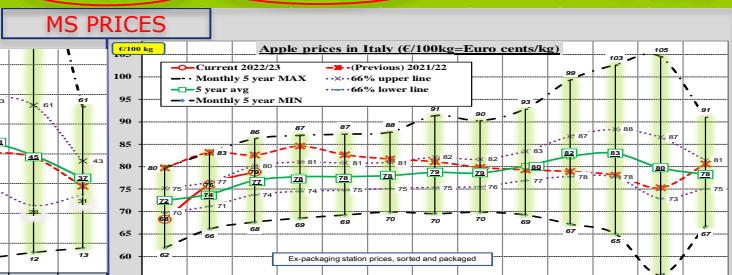
Marketing Year	Month	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023		29 281	14 711	4 938									
2021/2022		36 091	25 028	22 044	30 491	38 387	6 217	7 812	10 641	14 806	30 923	64 879	53 446
2020/2021		32 375	20 466	25 021	20 356	7 318	4 197	5 800	7 754	20 803	39 252	71 682	74 244
2019/2020		37 374	28 771	30 084	32 340	11 330	9 568	7 363	11 306	35 503	74 425	116 184	120 277
2018/2019		19 345	20 488	17 089	12 090	9 000	3 286	6 224	12 996	38 488	81 123	97 087	100 375
2017/2018		40 092	29 411	26 617	11 991	4 286	4 299	4 671	9 115	51 641	96 327	138 012	135 980
2016/2017		31 183	21 330	19 534	17 081	6 006	3 267	4 385	8 957	41 570	70 187	98 453	119 625
2015/2016		30 421	18 708	22 653	19 585	9 839	8 557	7 975	12 215	48 337	66 347	101 457	101 481
2014/2015		18 587	8 519	5 604	5 824	3 369	1 951	2 496	15 394	53 919	73 326	104 929	102 038
2013/2014		39 511	21 761	32 048	26 528	7 501	8 206	10 299	19 612	81 816	104 500	117 581	102 237
2012/2013		31 250	15 754	9 514	7 560	3 706	4 875	5 822	24 819	94 287	134 148	133 564	147 929

EU: Apples (all CN codes) - Monthly IMPORT (Average Price in Euro per 100kg)

Origin: Extra-European Union

EU27 AVERAGE IMPORT PRICE - 080810
Provisional data 2022/23 - Data source: Teagrad
Partial data for the last two months

Marketing Year	Month	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023		140	122	54									
2021/2022		136	126	53	17	8	37	29	35	76	122	149	152
2020/2021		114	79	45	24	39	45	36	56	91	114	133	152
2019/2020		100	75	39	18	24	33	37	66	92	113	120	117
2018/2019		119	102	61	21	23	43	34	46	98	105	117	117
2017/2018		121	91	55	39	46	71	70	118	108	120	127	130
2016/2017		118	100	47	22	39	41	29	85	111	123	127	130
2015/2016		129	321	40	22	27	34	37	76	102	122	156	128
2014/2015		107	106	99	36	40	77	77	94	109	126	130	131
2013/2014		107	70	27	45	54	56	72	103	120	114	121	
2012/2013		106	91	67	38	80	91	84	96	107	119	125	126



Production

Trade (I)

Trade (II)



INDEX

0. Summary overview, market update

1. Prices

- * EU prices**
- * MS prices for major producers**

2. Production (by variety + extreme weather events + stocks)

3. Trade



- * Evolution of the trade balance**
- * Import monitoring**
- * Export development**

4. Further detail on trade developments

5. Export diversification



SUMMARY OVERVIEW, MARKET UPDATE & RECENT DEVELOPMENTS – Marketing year 2022/23

1. The ongoing crop 2022/23 for was initially estimated by WAPA at a volume very similar to the preceding crop; since the month of August 2022, however, several Member States registered additional drought and heatwave events that will result on smaller fruit sizes and, therefore, lower volumes. In the months to come we will now at which level below 12 million tonnes the EU crop volume will be.
- Provisional table on EU volumes 
2. In the case of Poland, the MS with largest volume, the need for adapting production to what is marketable, this is structural adjustments, has been confirmed once more. There are several provisional sources of information about the size of this crop; they point to a possible final estimate could be smaller than anticipated due mainly to labour shortages among other factors.
- More detail on the size of the Polish crop 
3. The volume of stocks on 1 July 2022, a part of which were transferred to the ongoing marketing year, was 518 930 tonnes. The surplus of these stocks on that date compared to the reference 5 year average represented just over 1% over the size of the crop.
4. The sector faces temporarily several challenges: 1) Rising input costs (especially energy and other farm inputs); 2) High costs on transportation; 3) Labour shortage (especially for harvesting).
5. These challenges are also accompanied by opportunities: 1) Moderate size of the part of the crop going to fresh consumption; 2) Measures being taken in order to allow for more reasonable energy prices for storing fresh apples and for facilitating apple processing; 3) Great export opportunities in the processing size in a context of a small crop in China (more than 50% of the world's production and consumption, a crop 9 million tonnes below normal levels) and very favorable exchange rates on both Dollar and Euro terms for exporting on the Polish currency;
6. In the apple for processing segment, apple concentrate sells well on world markets and is expected to remain at very good prices during the ongoing marketing year.

1. PRICES

1.1. EU Prices

1.2. MS prices for major producers

* Poland (1st EU28 volume producer)

* Italy (2nd)

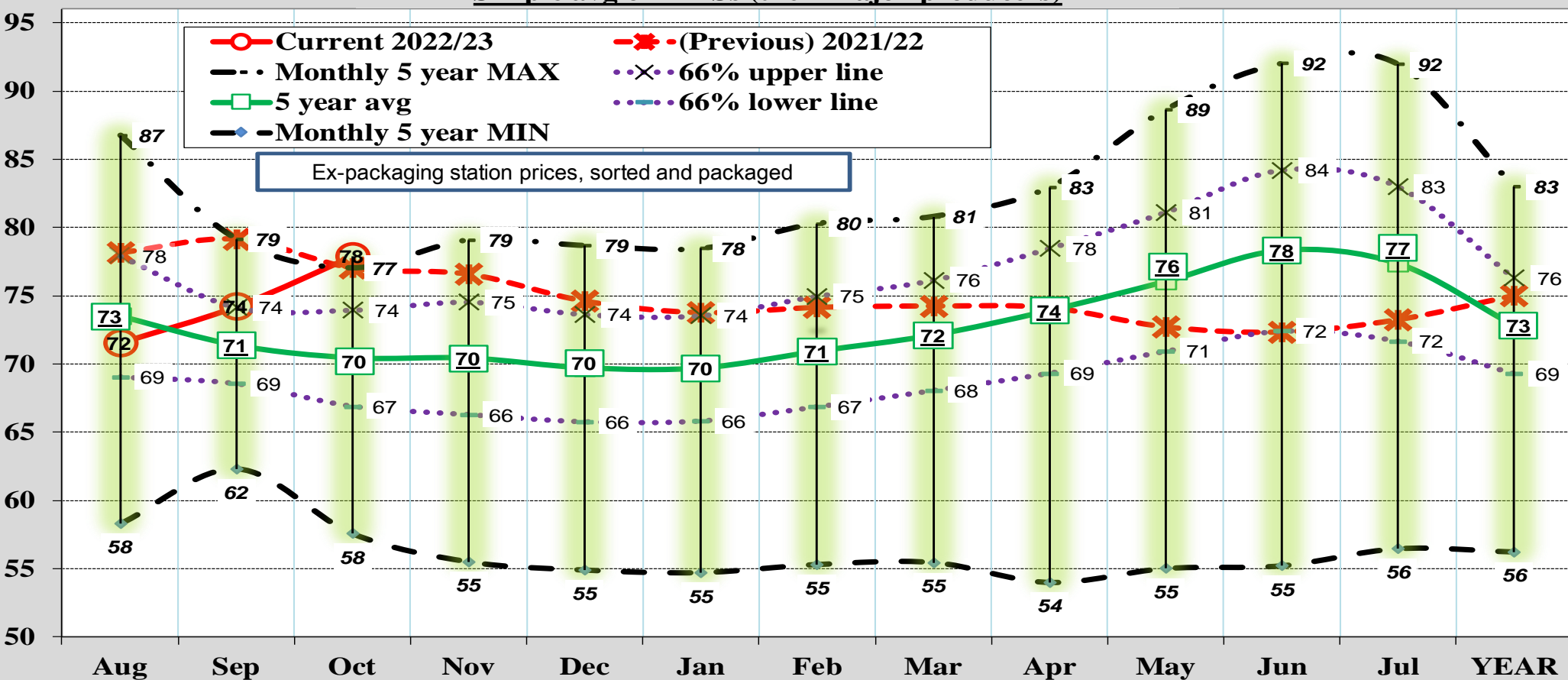
* France (3rd)

* Germany (4th)

€/100 kg

Apple prices in the EU (€/100kg=Euro cents/kg)

Simple avg of 4 MSs (the 4 major producers)





Market summary

EU APPLE PRICES 2021 & 2022 - Monthly averages - Euro cents per kg
Ex-packaging station

2021->

2022->

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct (*)

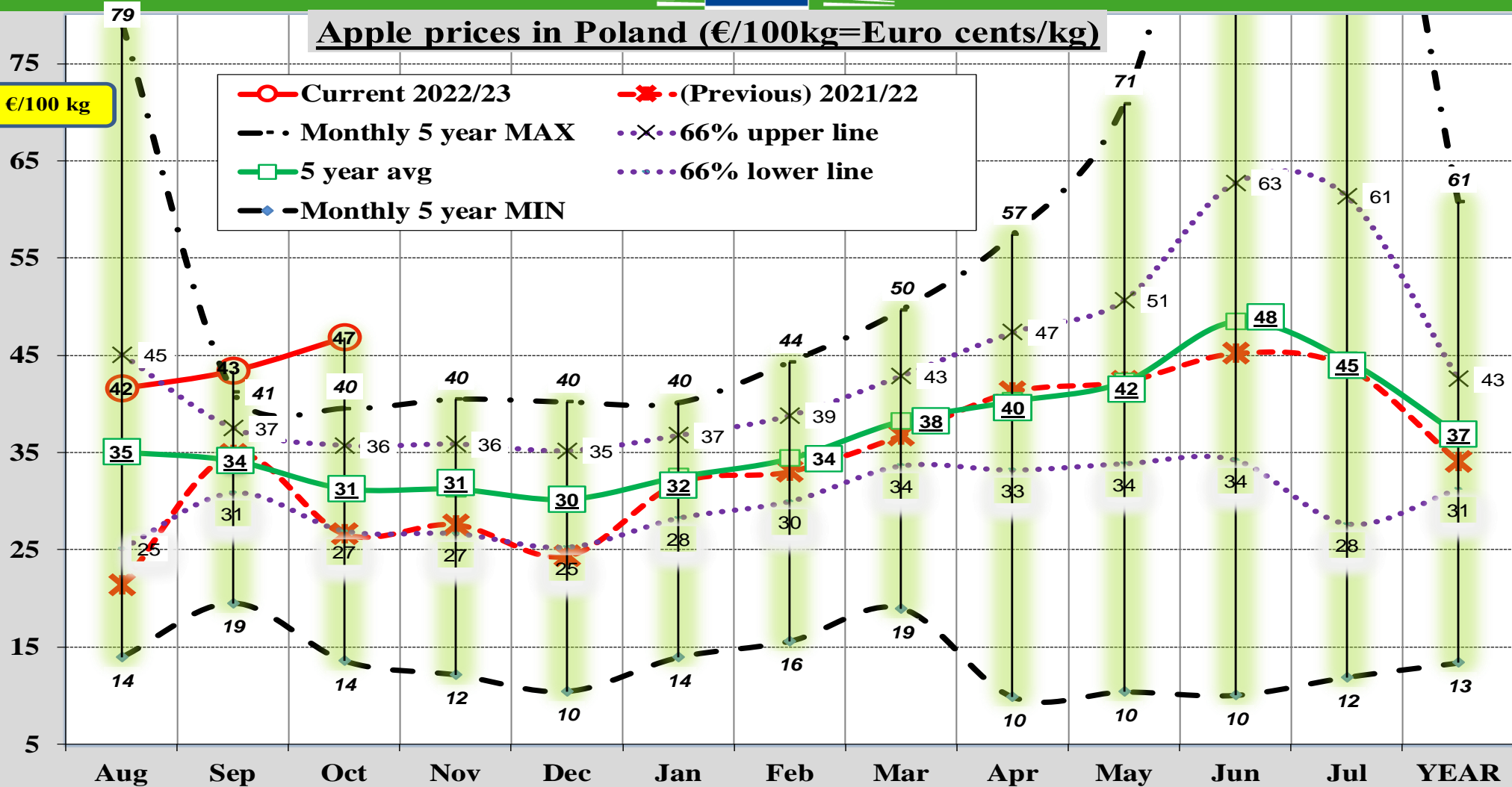
Allemagne	66,85	67,38	68,94	64,45	64,27	63,31	62,22	57,10	55,31	59,28	60,89	60,68	61,21
Austria	102,91	100,60	119,08	117,92	104,89	120,61	108,61	96,27	100,66	99,43	100,24	97,19	116,37
Belgique	50,62	43,23	42,03	47,07	42,75	39,23	42,20	34,42	32,97	32,86	52,04	49,59	47,43
Croatie	67,64	74,58	71,23	68,81	70,01	69,59	70,84	65,94	71,73	74,15	82,60	84,16	81,18
Espagne	84,75	80,04	74,67	74,66	75,90	73,66	75,47	80,72	81,52	80,33	84,32	86,26	82,76
France	132,07	126,77	123,01	117,06	118,17	117,09	113,71	112,59	110,78	114,60	115,41	116,81	124,88
Grèce	92,52	92,46	91,93	94,50	94,50	95,70	97,88	97,88	97,88	106,73	108,00	87,54	82,50
Hongrie	64,12	63,42	64,80	66,21	66,24	66,27	70,22	70,54	70,88		54,13	55,85	54,62
Italie	82,58	84,58	82,65	81,71	81,12	79,83	79,31	78,90	78,09	75,27	68,27	75,96	78,77
Pays-Bas	61,30	52,77	54,86	56,86	57,66	59,78	55,70	57,88	56,77	59,36	56,77	50,48	51,44
Pologne	26,59	27,56	24,32	31,85	33,03	36,75	41,26	42,30	45,22	43,84	41,60	43,41	46,80
Portugal	76,47	73,90	72,03	71,99	73,91	71,53	70,16	71,23	73,10	87,57	71,50	78,68	75,00
Rép. Tchèque	64,49	62,91	61,22	60,67	60,35	61,38	63,81	64,28	64,64	69,35	70,18	72,85	66,61
Romania	30,78	36,37	46,70	49,41	51,14	50,97	52,18	49,52	n.a.			60,94	60,66

(*) Partial data from 1 to 9 October 2022.



Apple prices in Poland (€/100kg=Euro cents/kg)

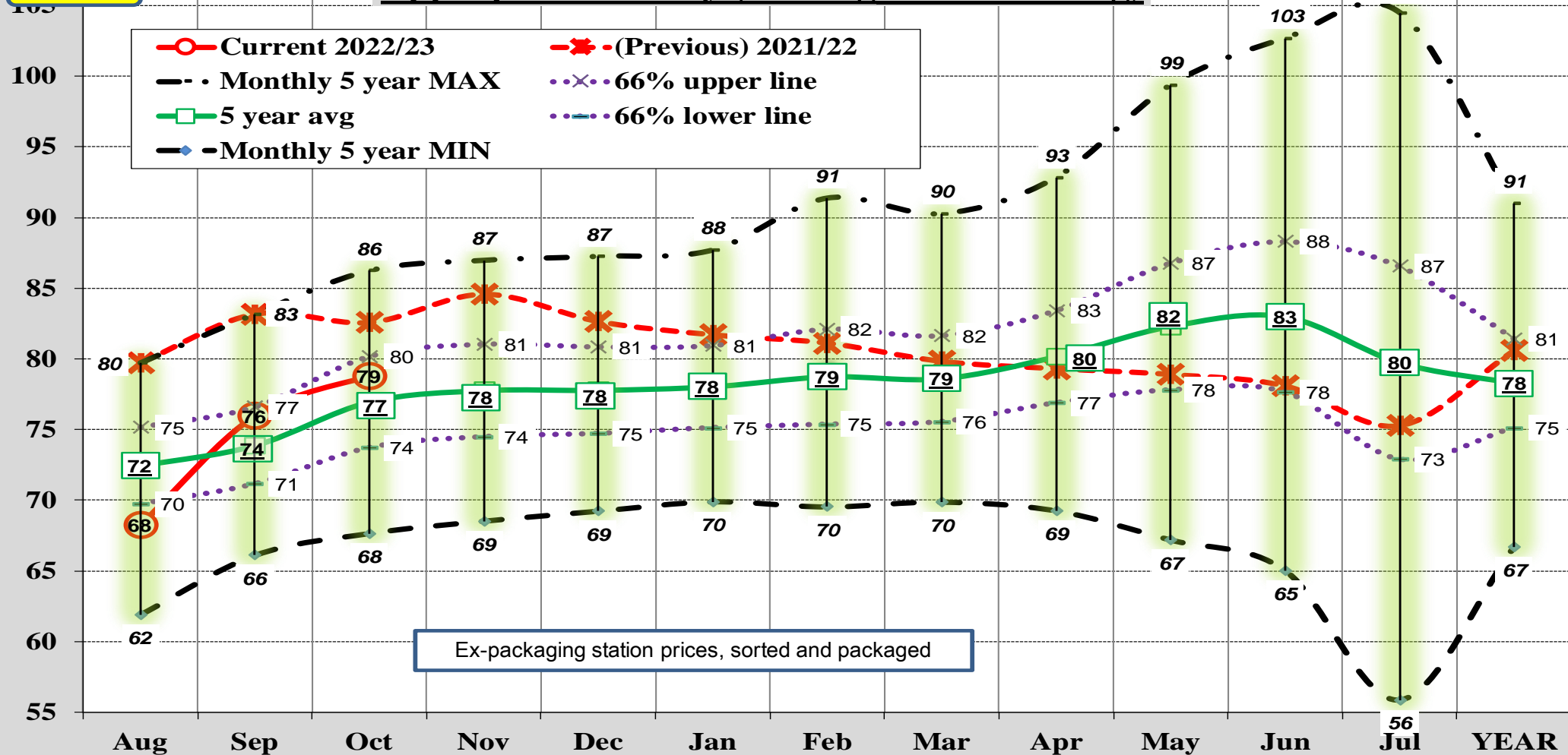
€/100 kg





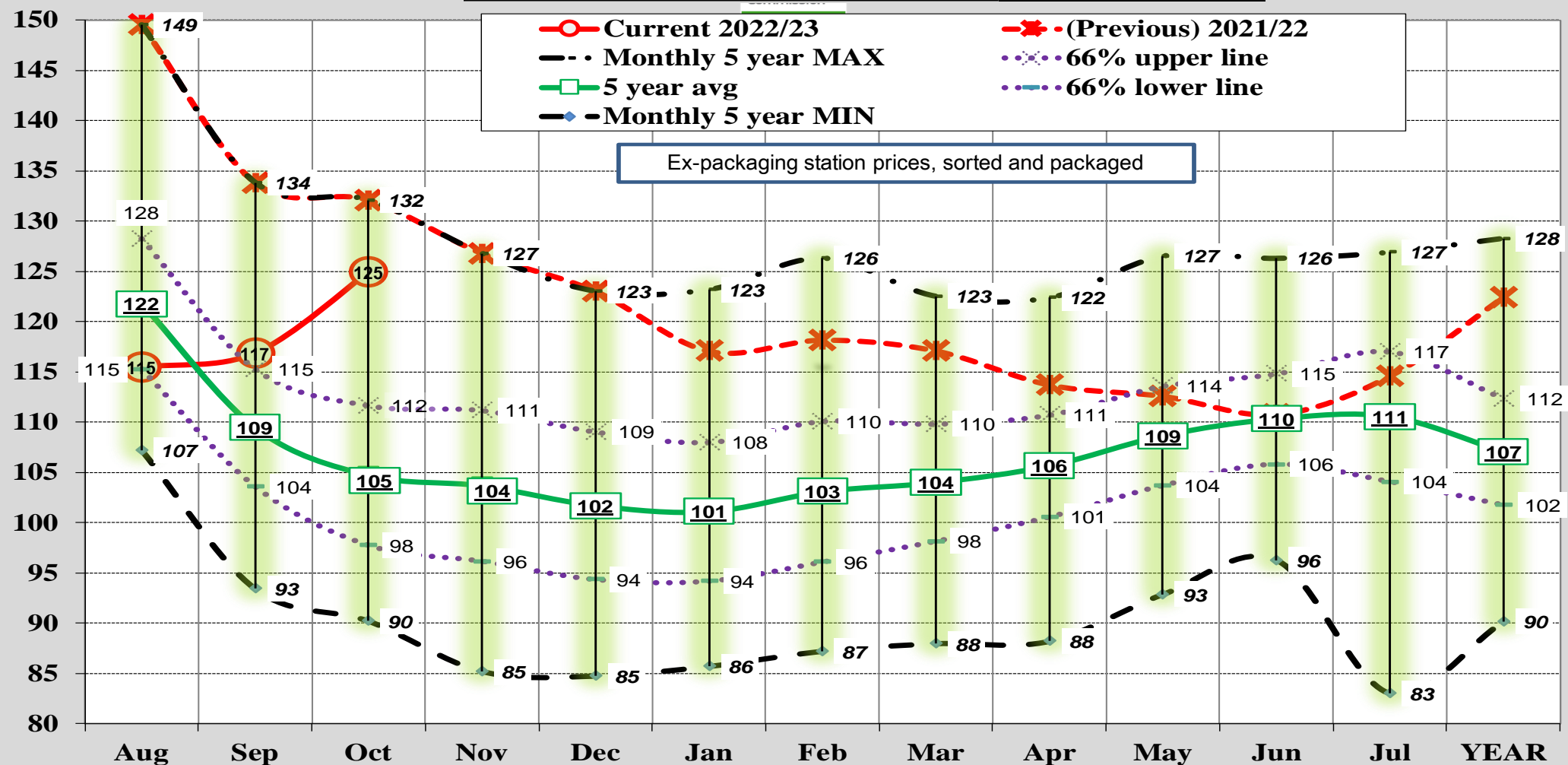
€/100 kg

Apple prices in Italy (€/100kg=Euro cents/kg)



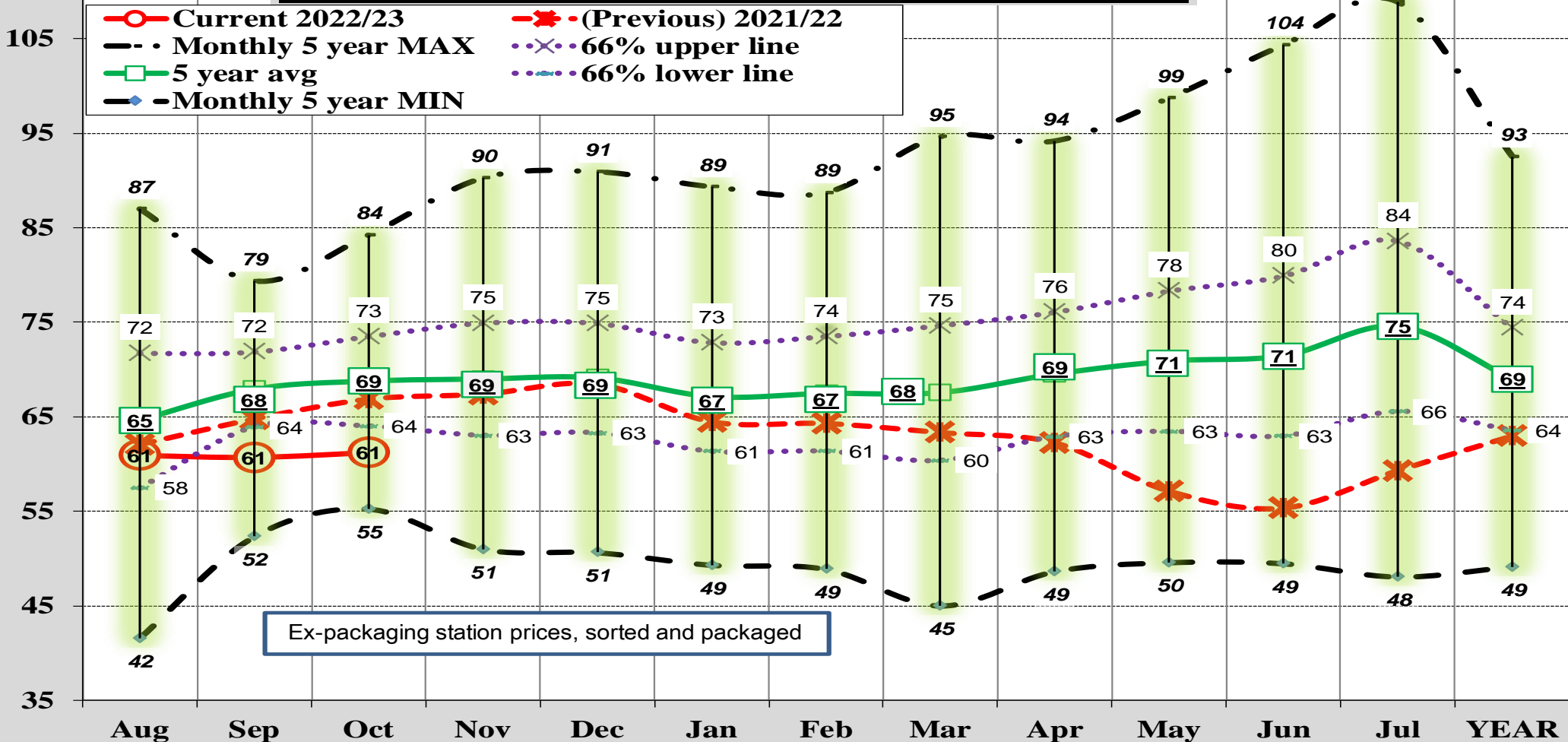
€/100 kg

Apple prices in France (€/100kg=Euro cents/kg)



€/100 kg

Apple prices in Germany (€/100kg=Euro cents/kg)



Includes some retroactive notifications received lately



Market summary

EU - Big 4

	2017/18	2018/19	2019/20	2020/21	(Previous) 2021/22	Current 2022/23	5 year avg	% current year to histo. 5 year avg	% to preceding month in 5 year avg	% to preceding month in current year
Aug	66	79	58	87	78	72	73	97		
Sep	74	65	62	76	79	74	71	104	-3	4
Oct	76	58	64	77	77	78	70	111	-1	5
Nov	78	55	63	79	77		70		0	
Dec	77	55	64	79	75		70		-1	
Jan	77	55	65	78	74		70		0	
Feb	79	55	66	80	74		71		2	
Mar	81	55	70	80	74		72		2	
Apr	83	54	77	82	74		74		2	
May	89	55	82	82	73		76		3	
Jun	90	55	92	82	72		78		3	
Jul	92	56	90	75	73		77		-1	
YEAR	80	58	71	80	75		73			

Includes some retroactive notifications received lately



Market summary

Provisional partial data for Aug (up to week 32) in slide 6

Apple prices €/100kg (= Euro cents/kg) and % changes – Jun/Jul 2021/22

CURRENT PRICES COMPARED TO 5 YEAR AVERAGE

Jun>Jul '21/22,
Price, €/100 kg

Jun>Jul '21/22, comparison to
5 year avg, base = 100 %

EU

72->73

97->100

PL-Poland

45->44

99->104

IT-Italy

78->75

96->95

FR-France

111->115

108->113

DE-Germany

55->59

81->83

CURRENT PRICES COMPARED TO ONE MONTH AGO

Seasonal factors, 5 year avg price,
changes Jun->Jul %

2021/22, changes
Jun->Jul %

-1 %

+1 %

-8 %

-3%

-3 %

-4 %

0 %

+3 %

+4 %

+7 %

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Includes some retroactive notifications received lately



Market summary

Apple prices €/100kg (= Euro cents/kg) and % changes – May/Jun 2021/22

CURRENT PRICES COMPARED TO 5 YEAR AVERAGE

May>Jun '21/22,
Price, €/100 kg

73->72

May>Jun '21/22, comparison to
5 year avg, base = 100 %

99->97

PL-Poland

42->45

104->99

IT-Italy

79->78

98->96

FR-France

113->111

108->108

DE-Germany

57->55

85->81

CURRENT PRICES COMPARED TO ONE MONTH AGO

Seasonal factors, 5 year avg price,
changes May→Jun %

+2 %

2021/22, changes
May → Jun %

-1 %

+12 %

+7%

+2 %

-1 %

-2 %

-2 %

+2 %

-3 %

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Includes some retroactive notifications received lately



Market summary

Apple prices €/100kg (= Euro cents/kg) and % changes – Apr/May 2021/22

CURRENT PRICES COMPARED TO 5 YEAR AVERAGE

Apr>May '21/22
Price, €/100 kg

74->73

Apr>May '21/22, comparison to
5 year avg, base = 100 %

106->99

PL-Poland

41->42

111->104

IT-Italy

79->79

103->98

FR-France

114->113

115->108

DE-Germany

62->57

96->85

CURRENT PRICES COMPARED TO ONE MONTH AGO

Seasonal factors, 5 year avg price,
changes Apr→ May %

+5 %

2021/22, changes
Apr → May %

-2 %

+9 %

+3 %

+4 %

-1 %

+5 %

-1 %

+4 %

-8 %

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THE METHODOLOGY FOR MONTHLY ANALYSING PRICES
IS EXPLAINED IN THE NEXT TWO SLIDES WITH AN EXAMPLE

(*) Extrapolation, partial prices for PL

Apple prices €/100kg (= Euro cents/kg) and % changes – September 2020

CURRENT PRICES COMPARED TO 5 YEAR AVERAGE

Aug -> Sep '20,
Price, €/100 kg

Aug -Sep '20, comparison to
5 year avg, base = 100 %

EU

92*->85*

146*->137*

PL-Poland

98*->79*

331*->259*

IT-Italy

77->78

117->115

FR-France

112->93

112->105

DE-Germany

78->79

153->142

CURRENT PRICES COMPARED TO ONE MONTH AGO

Seasonal factors, 5 year avg price,
changes from Aug to Sep %

2020/21, changes
from Aug to Sep %

-1 %

-7 %

+3 %

-20* %

+2 %

0 %

-9 %

-7 %

+9 %

+2 %

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PRICE ANALYSIS (SHORT TERM), AN EXPLANATION BY EXAMPLE

What is found in the columns of montly price figures?

1. Column A: average monthly prices for August 2020 by Member State and in the EU;
2. Column B: average monthly prices for September 2020 by Member State and in the EU;
3. Column C: index of prices for August 2020 compared to the average prices of the 5 preceding years (base = 100);
4. Column D: index of prices for September 2020 compared to the average prices of the 5 preceding years (base = 100);
5. Column E: percentage change of prices in September compared to August for the average price of the 5 preceding years (<>seasonal factors);
6. Column F: percentage change of prices in September 2020 compared to August 2020.

Example for German prices (September 2020)

Germany											
	2014/15	2015/16	2016/17	2017/18	2018/19	(Previous) 2019/20	Current 2020/21	5 year avg	% current year to histo. 5 year avg	% to preceding month in 5 year avg	% to preceding month in current year
Aug	32.67	41.42	31.89	54.33	86.98	41.58	78.16	51	153		
Sep	29.56	43.74	39.37	73.28	69.76	52.32	79.36	56	142	9	2

The monthly average price in Germany was 78 Euro cents per kg in August 2020 (column A). The equivalent price for September 2020 was 79 Euro cents per kg (column B). Therefore, the percentage change of prices (September compared to August) was a 2% increase (column F).

We have 3 additional columns in order to check how the situation and recent price changes compare to the reference period (5 preceding years, 2015 to 2019). Column C indicates a figure of 153 for August; that means that the price of August 2020 was 1,53 times the price for the reference period in Germany. Column D indicates that the price for September 2020 was 1,42 times the price of the reference period. In column E we have a proxy indicator for price seasonality factors: for the reference period average German prices were 9% higher in September than in August (this is a sort of seasonal pattern that we take into account for column F). When results in column F are better than in E, the shape appears in green (in red in the opposite case).



2. PRODUCTION

2.1. EU production for MSs that are major producers

2.2. EU production by variety (%)

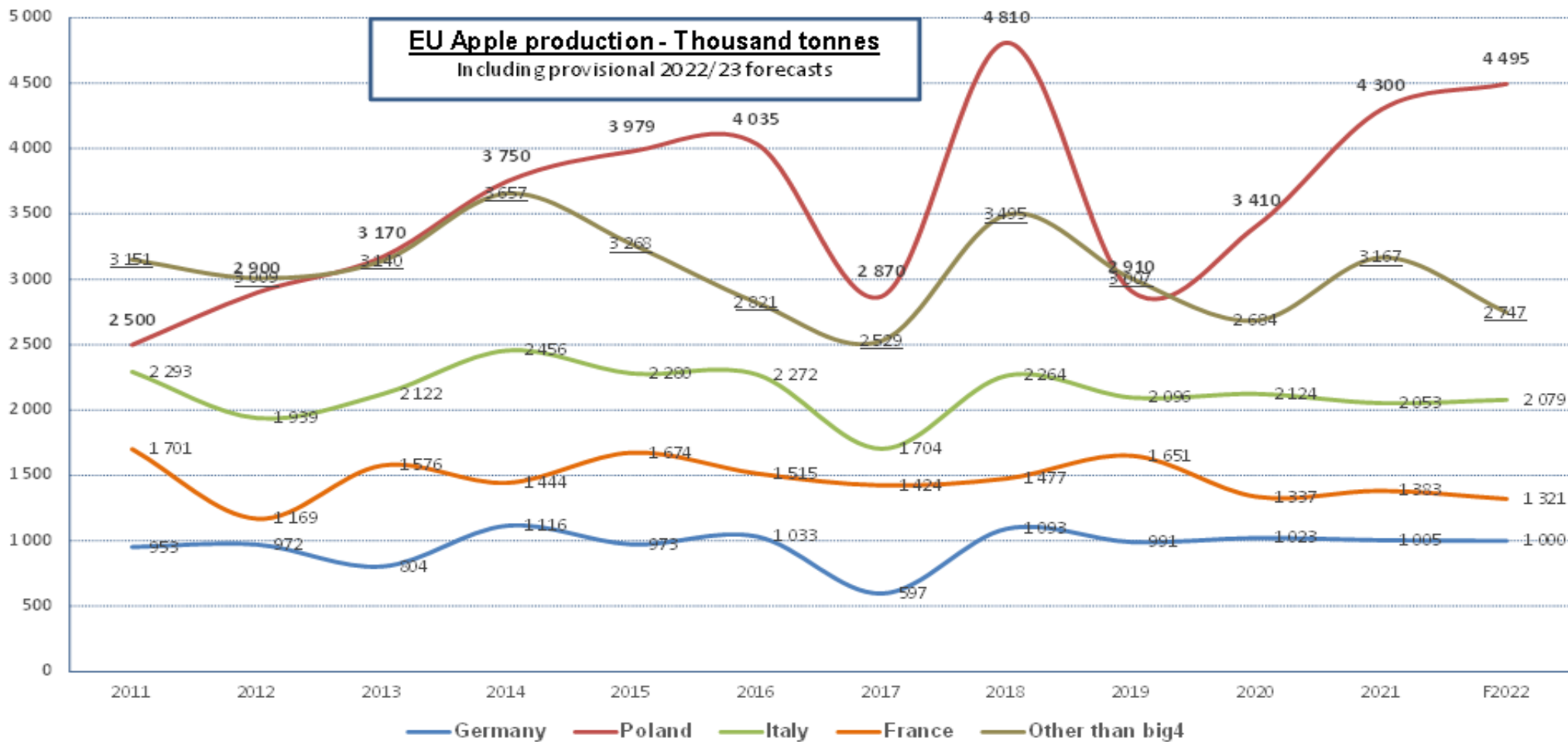
2.3. Extreme weather events

2.4. Apple stocks



EU Apple production - Thousand tonnes

Including provisional 2022/23 forecasts



Data source: Wapa and Eurostat

Further detail



APPLES - PRODUCTION IN THE EUROPEAN UNION - 2011 to 2022

Sep '22 update

Data source	Nr		Country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	F2022		avg '17-'21 = avg5	F22 / '21 %	F22 / avg5 %
wapa	1	BE	Belgium	305	220	220	318	285	234	88	231	242	168	250	215	[R]	196	-14	10
estat	2	BG	Bulgaria	40	31	55	55	58	45	45	50	44	38	44	34		44		
wapa	3	CZ	Czech Rep	79	118	121	131	156	139	102	145	103	118	110	127		116	15	10
wapa	4	DK	Denmark	20	18	23	26	24	24	19	24	15	24	18	24		20	33	20
wapa	5	DE	Germany	953	972	804	1 116	973	1 033	597	1 093	991	1 023	1 005	1 000	[R]	942	0	6
estat	6	EE	Estonia	1	1	2	1	2	3	1	2	2	1	2	2		1		
estat	7	IE	Ireland	20	12	15	20	19	22	21	20	20	19	20	20		20		
wapa	8	EL	Greece	305	242	236	245	242	259	231	301	276	280	246	294		267	20	10
wapa	9	ES	Spain	507	391	464	505	482	495	480	476	555	425	563	400	[R]	500	-29	-20
wapa	10	FR	France	1 701	1 169	1 576	1 444	1 674	1 515	1 424	1 477	1 651	1 337	1 383	1 321	(*)	1 454	-4	-9
wapa	11	HR	Croatia	83	59	96	62	101	35	66	86	60	55	65	57		66	-12	-14
wapa	12	IT	Italy	2 293	1 939	2 122	2 456	2 280	2 272	1 704	2 264	2 096	2 124	2 053	2 079	[R]	2 048	1	2
estat	13	CY	Cyprus	7	7	5	5	5	4	4	2	2	2	2	2		2		
wapa	14	LV	Latvia	8	9	15	10	8	10	8	14	10	14	8	8		11	0	-26
wapa	15	LT	Lithuania	49	39	40	27	46	50	48	62	26	60	32	25		46	-22	-45
estat	16	LU	Luxembourg	2	2	2	3	2	2	1	2	2	2	2	2		2		
wapa	17	HU	Hungary	301	750	585	920	522	498	530	782	452	350	520	350		527	-33	-34
estat	18	MT	Malta	0	0	0	0	0	0	0	0	0	0	0	0		0		
wapa	19	NL	Netherlands	418	281	314	353	336	317	228	267	272	220	243	240	[R]	246	-1	-2
wapa	20	AT	Austria	199	157	155	188	177	40	67	184	146	126	120	148		129	23	15
wapa	21	PL	Poland	2 500	2 900	3 170	3 750	3 979	4 035	2 870	4 810	2 910	3 410	4 300	4 750	[Ra]	3 660	10	30
wapa	22	PT	Portugal	265	221	284	272	329	263	314	267	354	278	368	280	[R]	316	-24	-11
wapa	23	RO	Romania	412	351	387	382	336	327	230	425	327	389	444	410		363	-8	13
wapa	24	SI	Slovenia	73	45	56	68	71	12	6	72	36	46	44	38	[R]	41	-14	-7
wapa	25	SK	Slovakia	33	36	42	46	40	17	15	44	35	30	31	34		31	10	10
estat	26	FI	Finland	5	5	5	5	6	6	7	7	8	7	8	7		7		
wapa	27	SE	Sweden	17	14	17	16	21	20	18	32	20	32	27	30		26	11	16
		EU27		10 598	9 989	10 812	12 423	12 174	11 676	9 124	13 139	10 655	10 578	11 908	11 897		11 081	-0,1	7,4
		DE,FR,IT,PL	Big4	7 447	6 980	7 672	8 766	8 906	8 855	6 595	9 644	7 648	7 894	8 741	9 150		8 104	5	13
		(of EU27)	Big4 % on EU2	70	70	71	71	73	76	72	73	72	75	73	77		73		
			Oth, %	30	30	29	29	27	24	28	27	28	25	27	23		27		
wapa	28	UK	Un. Kingdom	226	162	204	206	243	239	207	219	205	196	186	233	[R]	203	25	15
		EU27+UK		10 824	10 151	11 016	12 629	12 417	11 915	9 331	13 358	10 860	10 774	12 094	12 130		11 283	0	8

Source: Table prepared by Agri.E2 with WAPA, Eurostat data (indicated as "estat" above) and expert advice.

[Ra] Revised upwards with a higher percentage than normal, about 65-70% expected to go to processing.

(*) ANPP, FR national producers association, estimate.

[R] Revision downwards done.



POLISH APPLE PRODUCTION, ESTIMATES AND FORECASTS – Marketing year 2022/23

Current estimates for the Polish apple crop for the ongoing marketing year range from more than 4,5 Million tonnes to below 4,0 million tonnes, the final figure depending very much, among other factors, on the level of shortage of workers for harvesting.

Million tonnes, data source	<u>2021/22</u>	<u>2022/23 rev.1</u>	<u>2022/23 rev.2</u>	<u>2022/23 rev.3</u>
WAPA	4,3	4,495	4,750	Revision downwards expected
Central Statistical Office (CSO)	4,0	4,2	4,2	
Association of Polish Fruit Growers (*)	4,0	4.0	lower than 4.0	

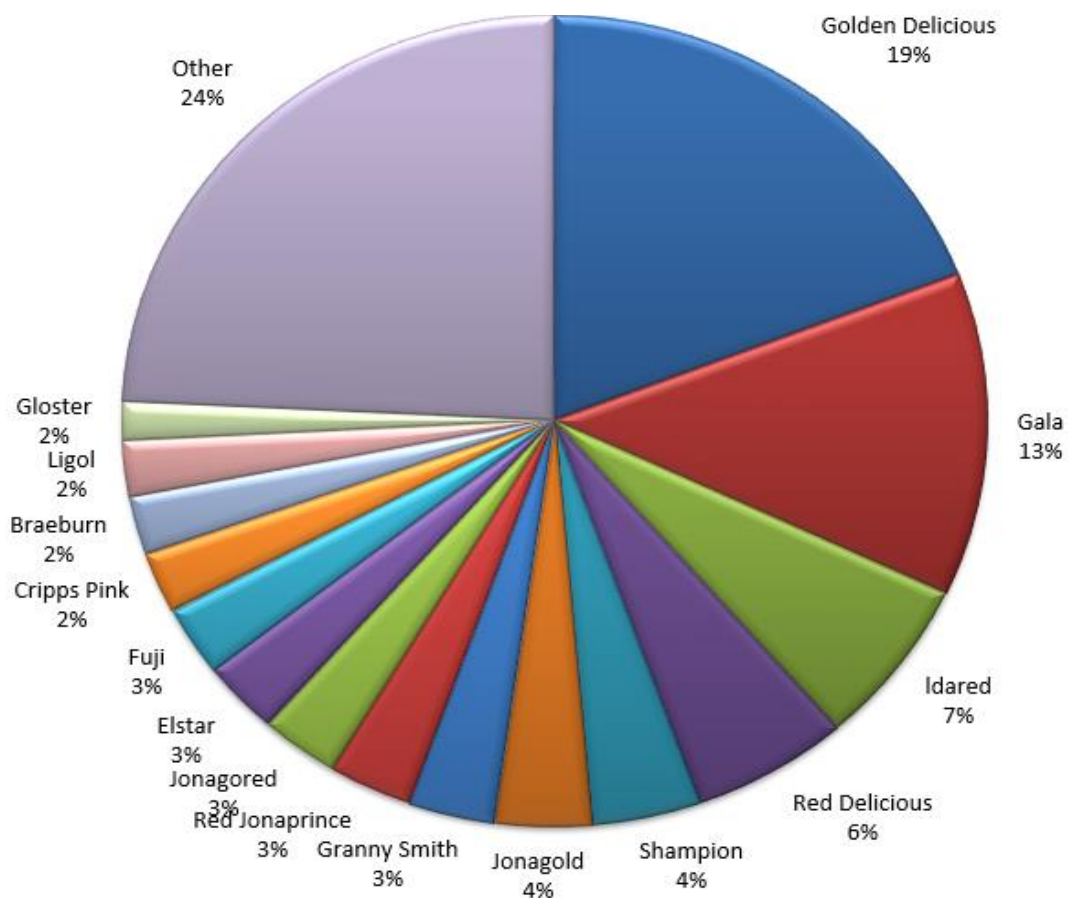
(*) Published by agricultural media

000 tonnes 2017-21 avg	
Golden Delicious	2 133
Gala	1 437
Idared	742
Red Delicious	655
Shampion	457
Jonagold	399
Granny Smith	359
Red Jonaprince	351
Jonagored	329
Elstar	328
Fuji	310
Cripps Pink	268
Braeburn	262
Ligol	248
Gloster	169
Other	2 705

Based on 20 Member States that are the main producers plus the UK (small producer)

Data source: WAPA

Apple varieties in the EU





General index

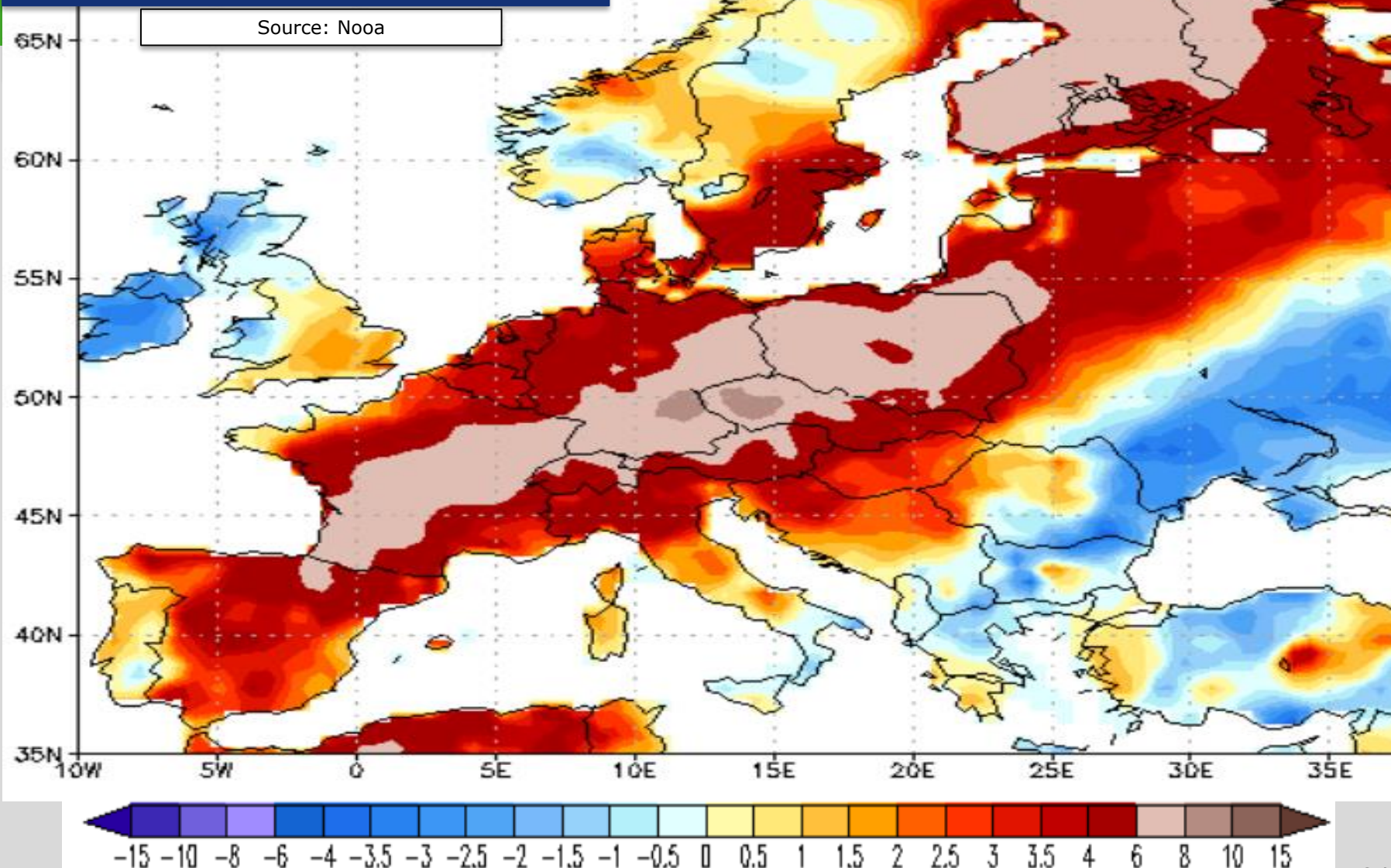
Agro-weather index

WEATHER FACTORS IN FRUIT AND VEGETABLE PRODUCTIONS

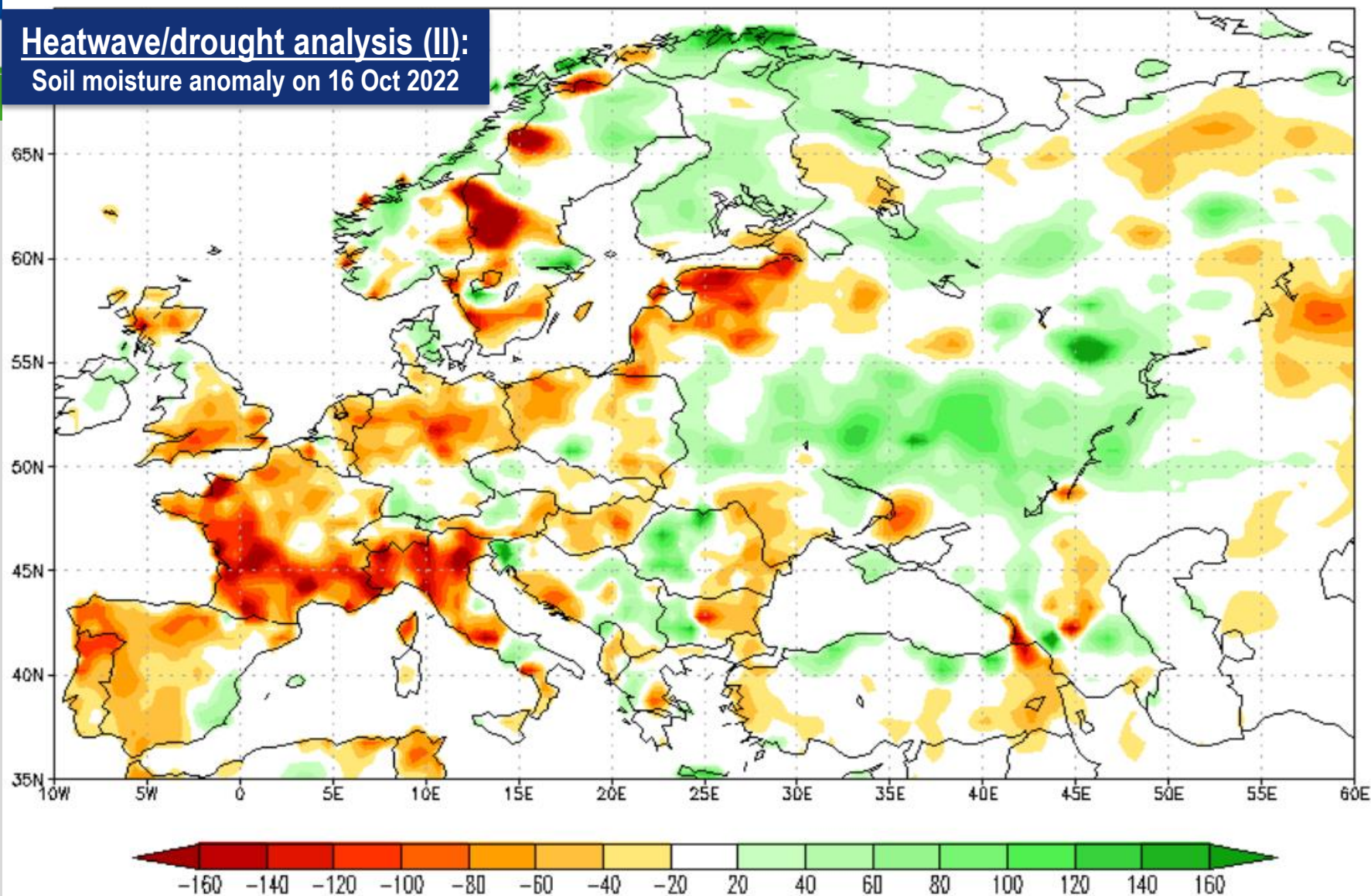
Heatwave/drought analysis (I):

Last 2 month temperature anomaly, 16 Oct 2022

Source: Noaa








Heatwave/drought analysis (II): Soil moisture anomaly on 16 Oct 2022

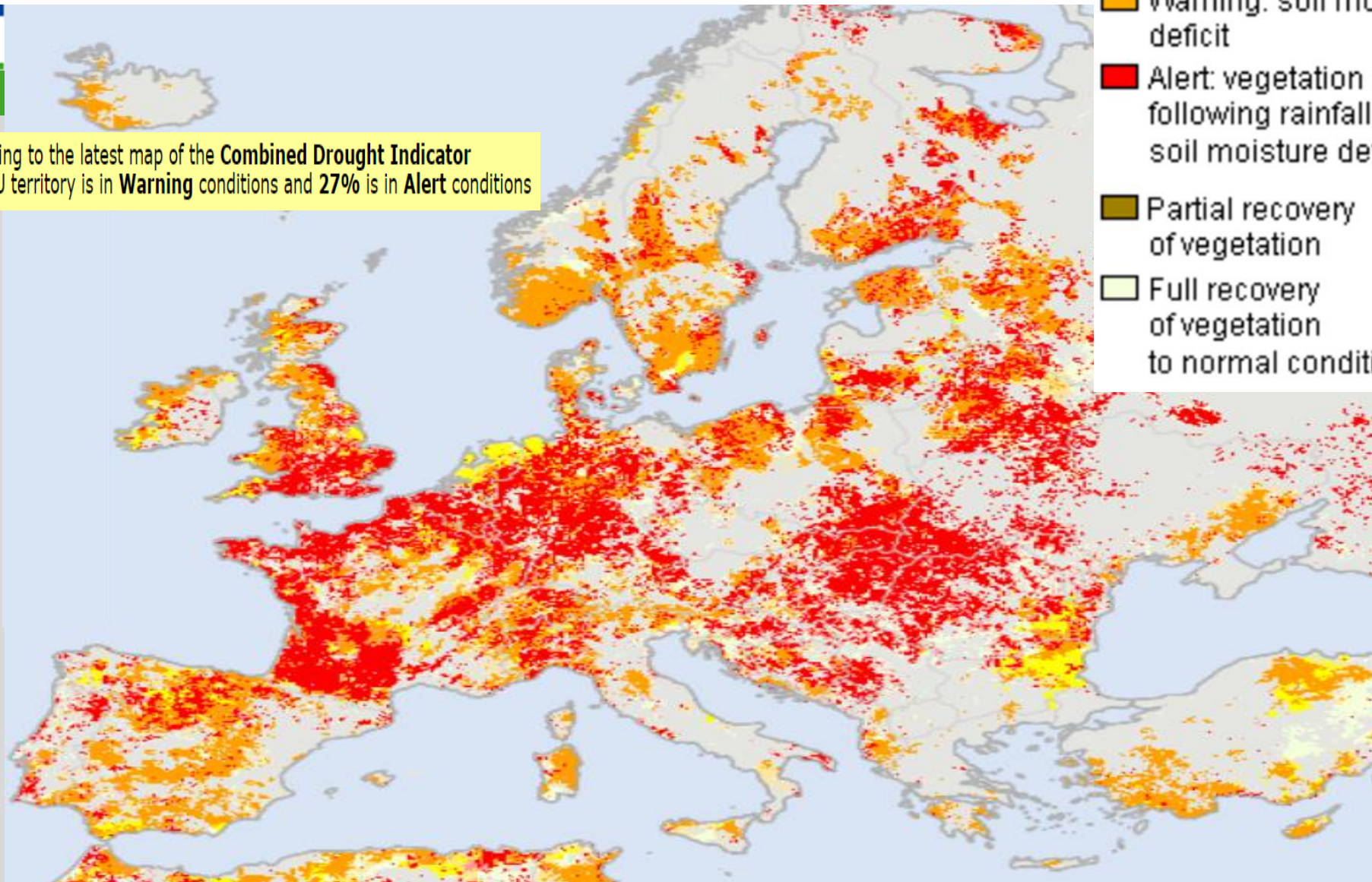


Source: Noaa

Situation of Combined Drought Indicator in Europe - 3rd ten-day period of September 2022

According to the latest map of the **Combined Drought Indicator** **22%** of the EU territory is in **Warning** conditions and **27%** is in **Alert** conditions

-  Watch: rainfall deficit
-  Warning: soil moisture deficit
-  Alert: vegetation stress following rainfall / soil moisture deficit
-  Partial recovery of vegetation
-  Full recovery of vegetation to normal conditions

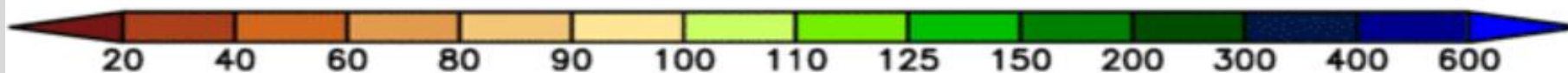
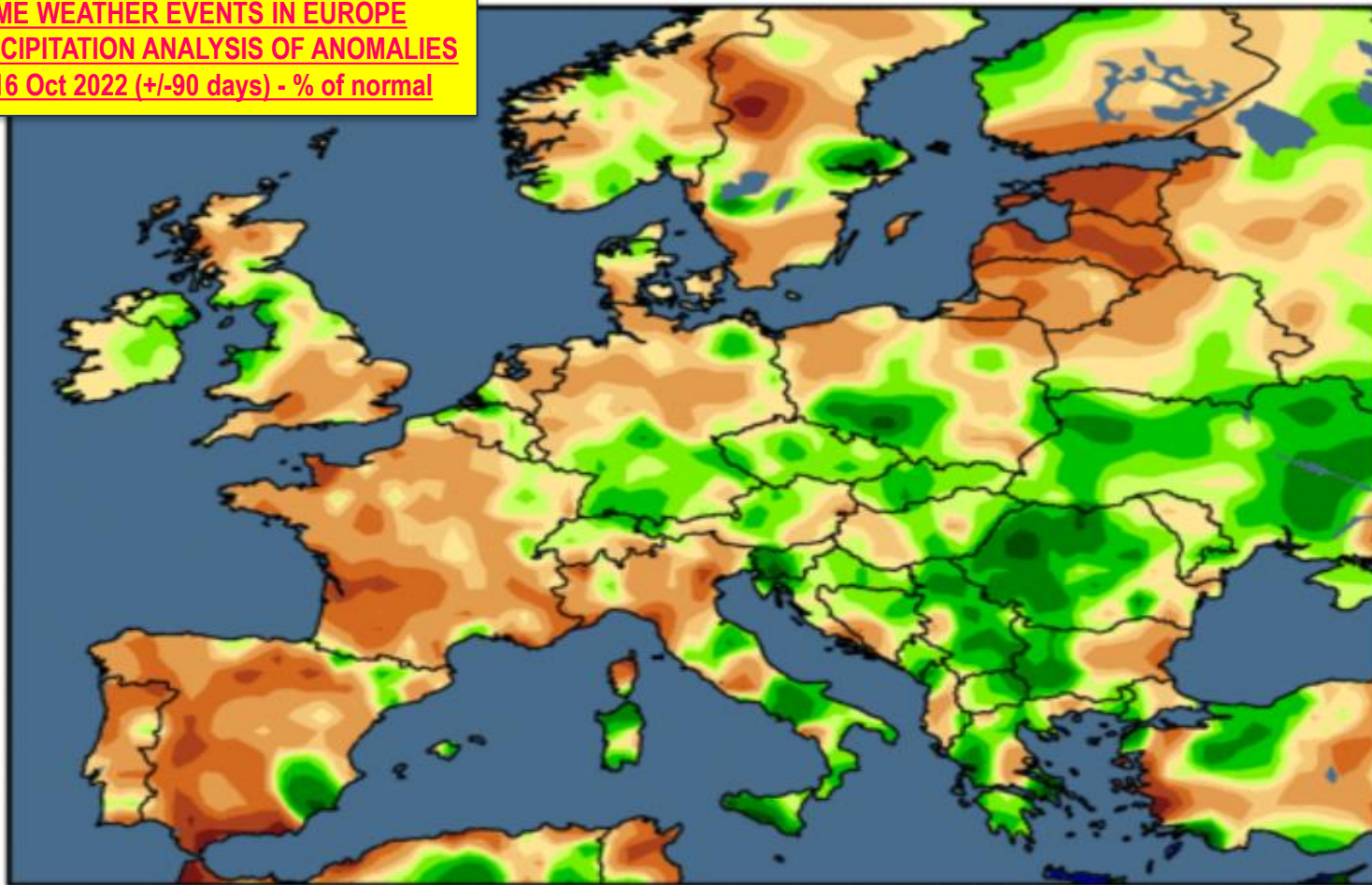


Source: JRC

90-day Precipitation Analysis

Percent of normal through 16 Oct 2022

EXTREME WEATHER EVENTS IN EUROPE
90 DAY PRECIPITATION ANALYSIS OF ANOMALIES
16 Jul to 16 Oct 2022 (+/-90 days) - % of normal

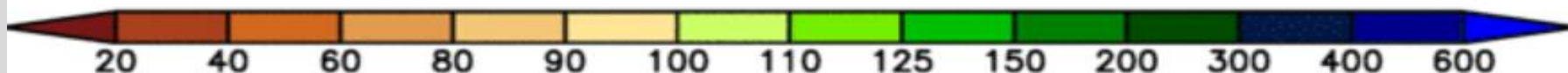
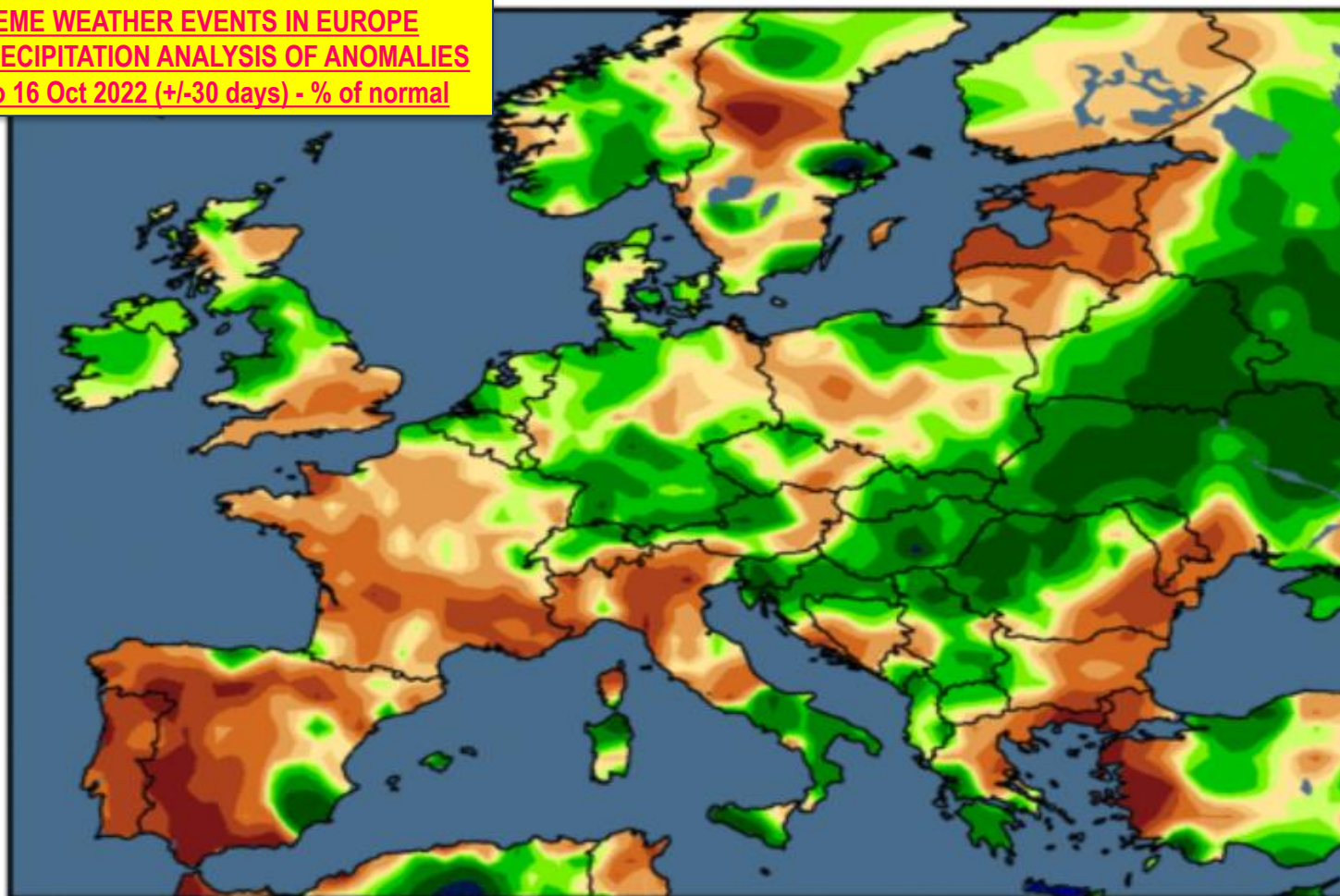


Source: Ag Weather

30-day Precipitation Analysis

Percent of normal through 16 Oct 2022

EXTREME WEATHER EVENTS IN EUROPE
30 DAY PRECIPITATION ANALYSIS OF ANOMALIES
16 Sep to 16 Oct 2022 (+/-30 days) - % of normal



Source: Ag Weather

EXTREME WEATHER EVENTS IN EUROPE: large hail and heavy rain – 1 Sep to 16 Oct 2022



▼ tornado ■ severe wind ▲ large hail ◆ heavy rain
▼ funnel cloud ▼ gustnado ▼ lesser whirlwind
❄ heavy snowfall/snowstorm ❄ ice accumulation ❄ avalanche ⚡ damaging lightning

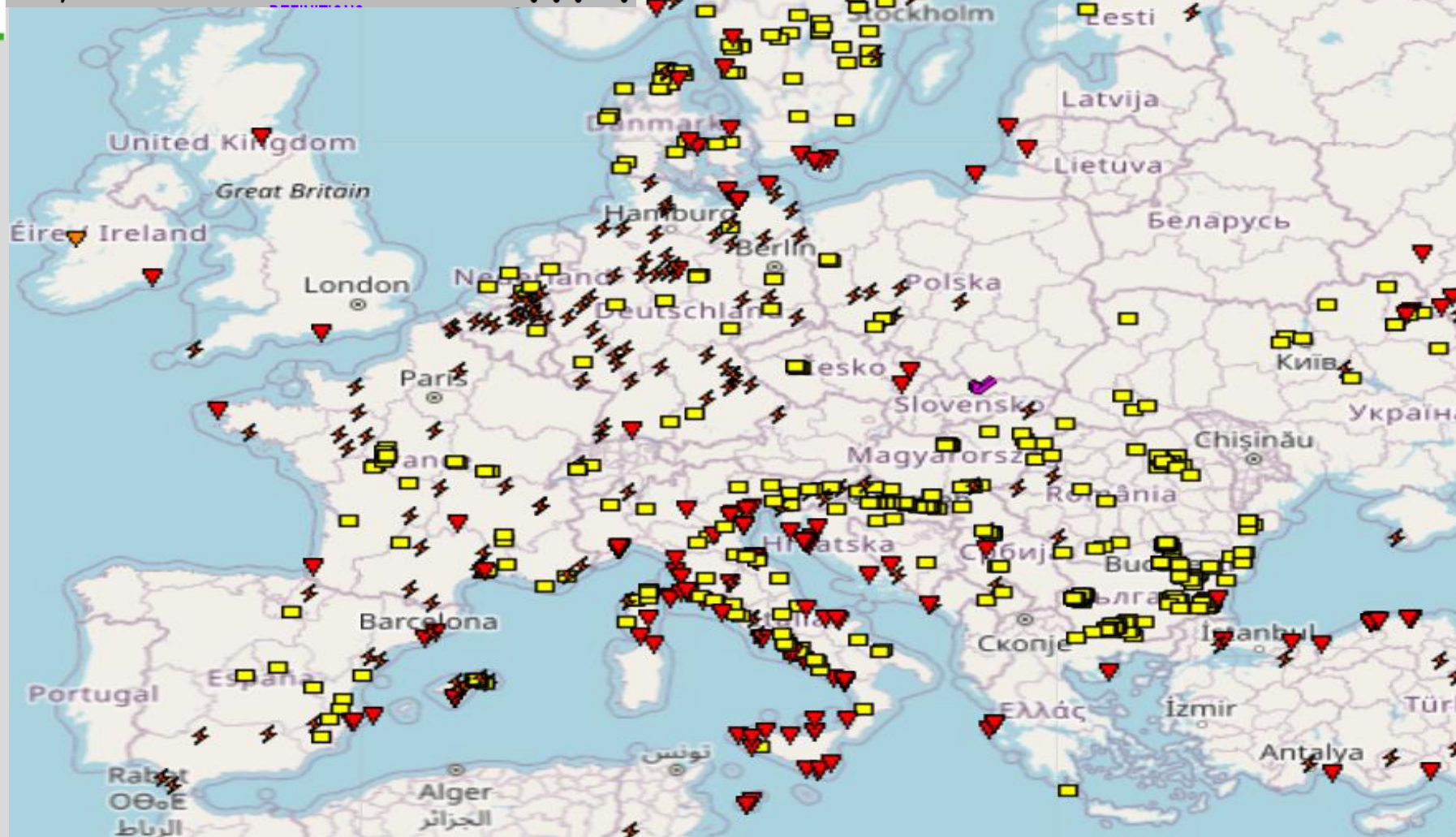


Source: Severe weather database

**EXTREME WEATHER EVENTS IN EUROPE: other
than large hail and heavy rain – 01 Sep to 16 Oct 2022**



▼ tornado ■ severe wind ▲ large hail ◆ heavy rain
▼ funnel cloud ▼ gustnado ▼ lesser whirlwind
❄ heavy snowfall/snowstorm ❄ ice accumulation ▼ avalanche ⚡ damaging lightning



Source: Severe weather database

MINIMUM DAILY TEMPERATURE

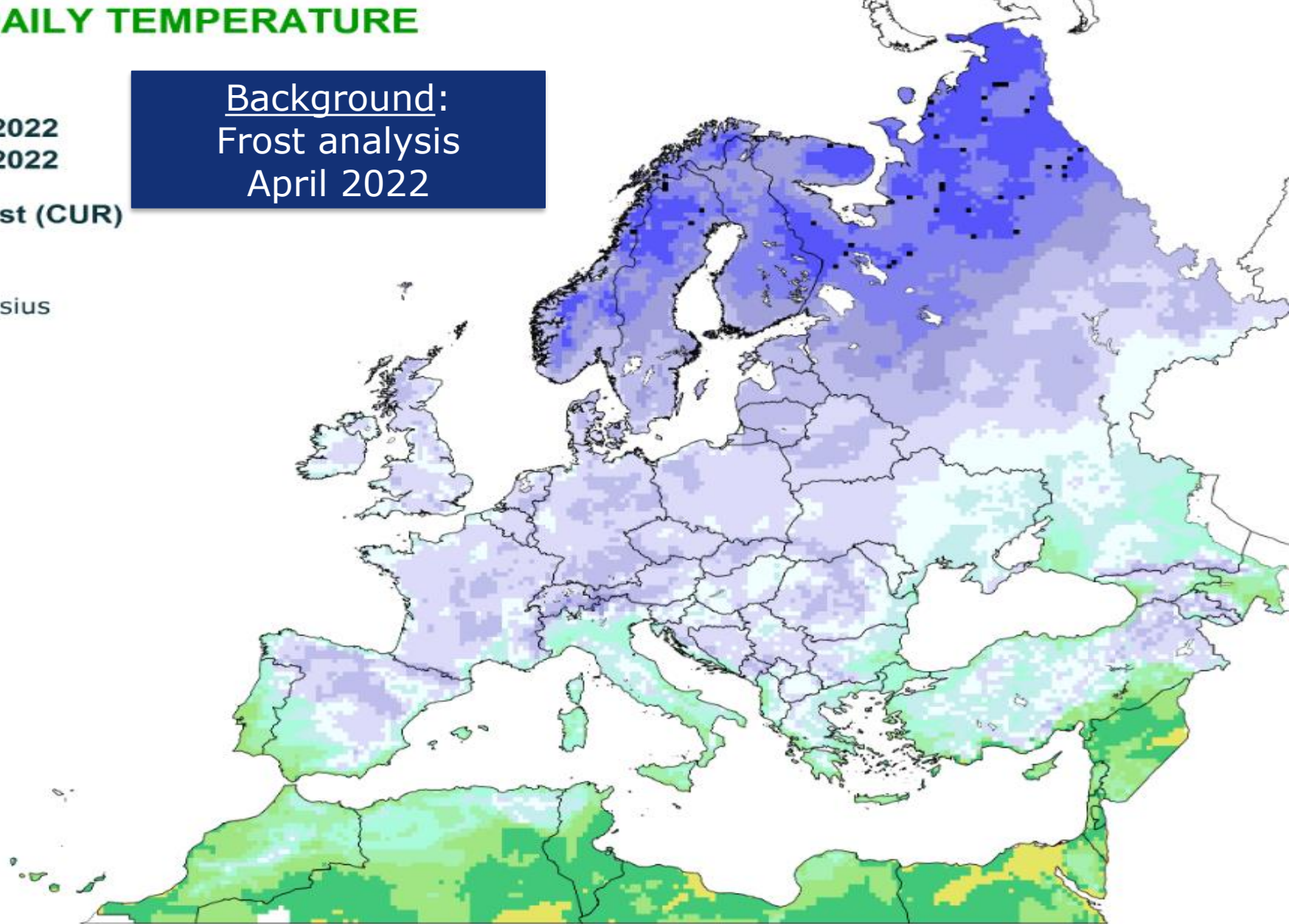
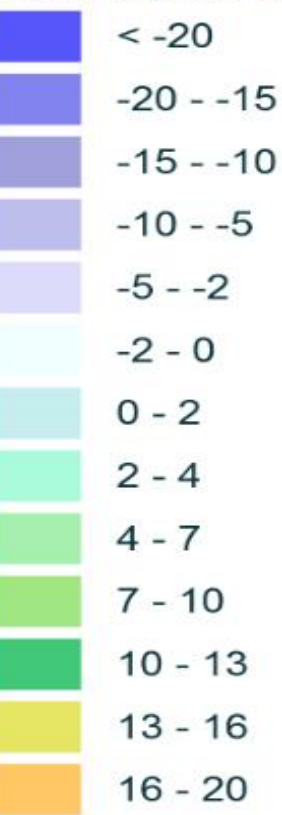
Lowest values

from : 01 April 2022
to : 12 April 2022

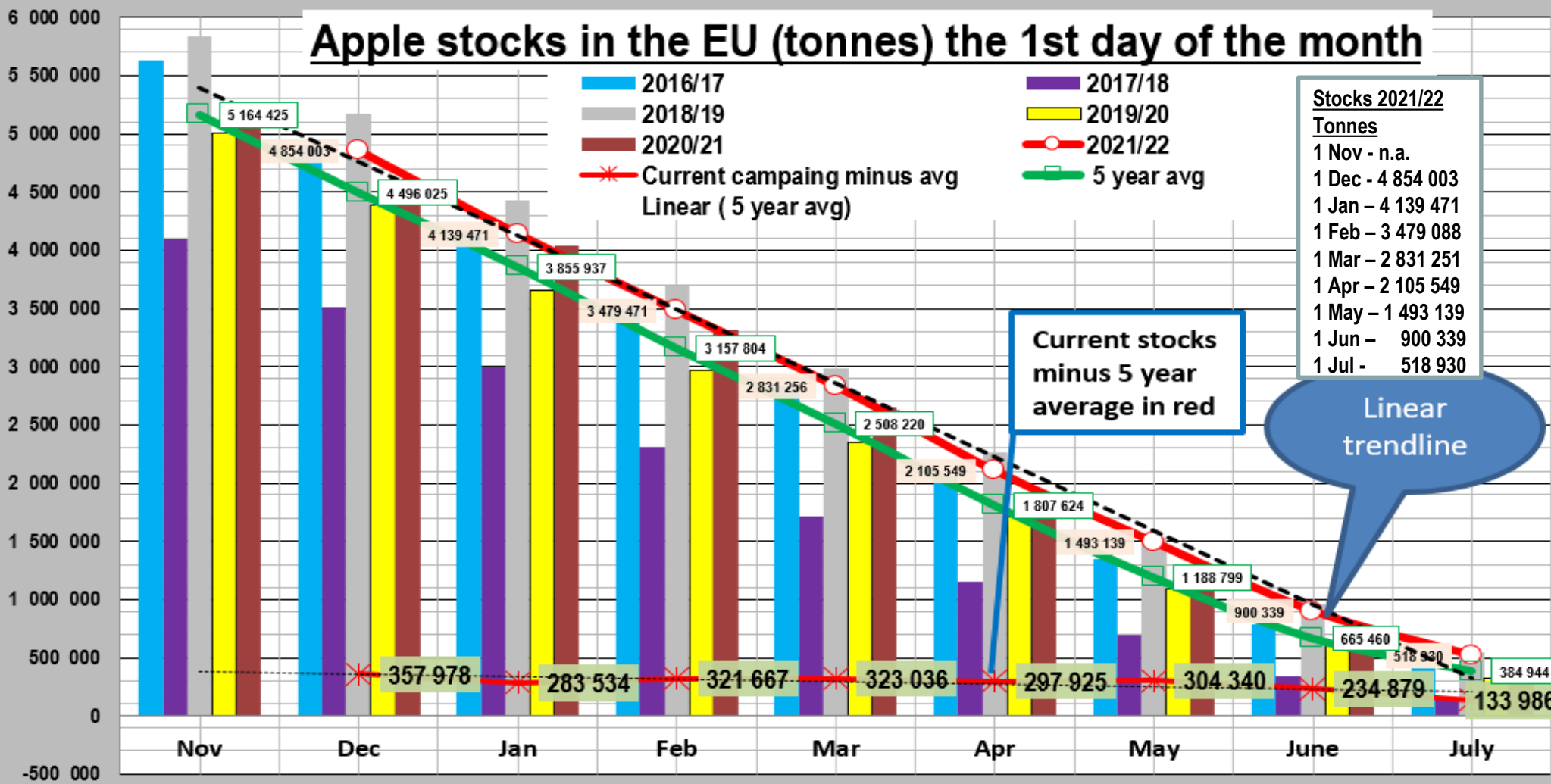
Background:
Frost analysis
April 2022

Period of interest (CUR)

Unit: degrees Celsius



Source: JRC

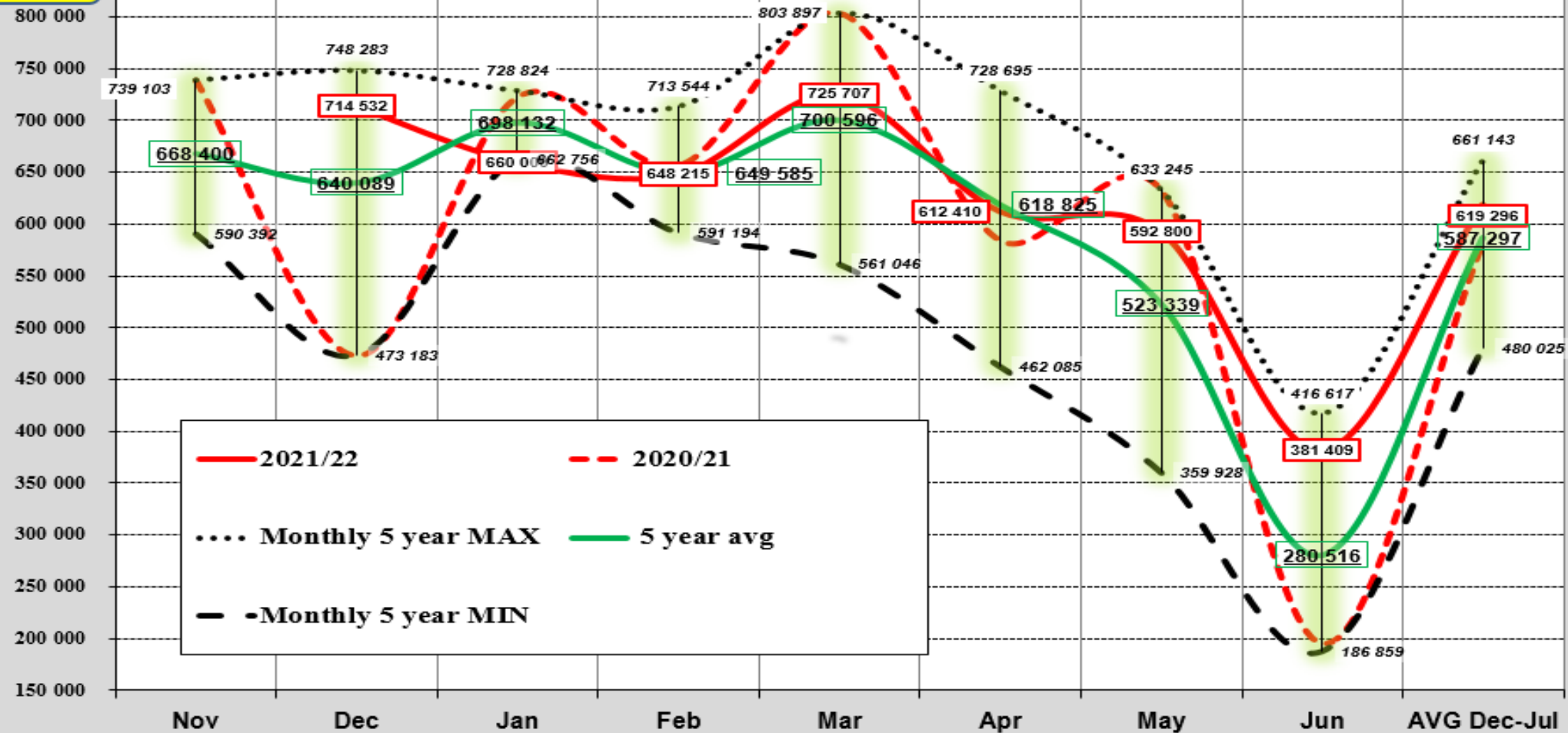


Data sources: Wapa and AMI



tonnes

Apples - Monthly unstocking rates in the EU - tonnes



Data source: Wapa and AMI



3. TRADE

3.1. Export development (export diversification is in section 5)

3.2. Import monitoring



3.3. Comparison of exports and imports of apples

EU: Apples (all CN codes) - Monthly EXPORT (Quantity in tonnes)

Destination: Extra-European Union

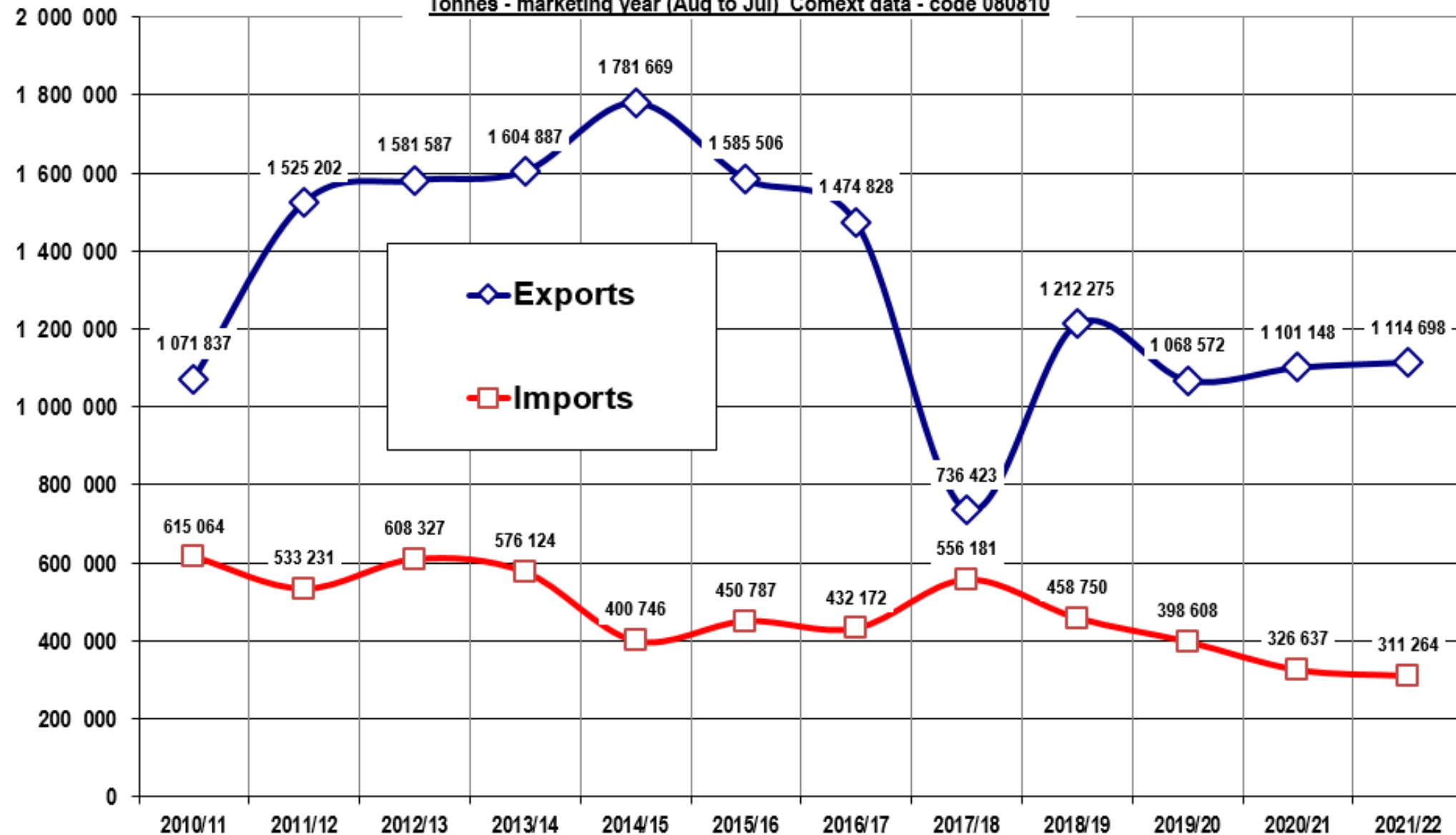
EU27 EXPORT VOLUME – 080810
Provisional data 2022/23 – Data source: Taxud

Partial data for the last two months

Marketing Year 	Month 											
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023	37 656	77 882	52 475	-	-	-	-	-	-	-	-	-
2021/2022	50 501	85 373	105 425	130 612	135 379	103 865	109 985	118 704	98 619	98 725	63 913	29 744
2020/2021	28 351	60 166	96 771	105 982	98 491	108 362	121 777	123 779	93 360	79 652	60 847	37 894
2019/2020	43 257	81 918	116 385	122 993	120 839	99 828	108 824	93 021	70 470	52 933	34 258	15 950
2018/2019	25 640	59 905	98 141	123 324	116 257	120 694	150 192	135 529	110 546	128 493	67 961	49 825
2017/2018	30 491	52 989	70 078	79 633	84 328	79 318	78 610	85 500	54 173	49 457	44 367	13 981
2016/2017	42 455	84 981	105 228	124 648	150 542	165 915	170 448	175 578	150 313	140 778	98 138	37 672
2015/2016	46 663	89 502	123 611	128 564	141 761	150 403	194 200	186 434	189 988	160 240	106 816	48 816

ExtraEU27 trade for apples 2010/11 to 2021/22

Tonnes - marketing year (Aug to Jul) Comext data - code 080810



4. TRADE INDICATORS (II)



- Total export value by MS
- Total import value by MS
- Export diversification



EU: Apples (all CN codes) - Monthly EXPORT (Average Price in Euro per 100Kg)

EU27 AVERAGE EXPORT PRICE – 080810
Provisional data 2022/23 – Data source: Taxud

Partial data for the last two months

Destination: Extra-European Union

Marketing Year 	Month 											
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023	82	81	73	-	-	-	-	-	-	-	-	-
2021/2022	69	76	72	74	86	86	82	81	79	71	69	71
2020/2021	94	75	69	72	71	80	77	77	79	71	63	59
2019/2020	66	72	68	68	65	64	65	65	62	70	76	89
2018/2019	75	71	62	61	61	56	54	54	46	39	36	42
2017/2018	81	85	77	77	70	68	66	60	62	61	57	79
2016/2017	69	75	65	63	57	52	46	45	40	42	42	52
2015/2016	78	80	64	57	61	56	51	45	39	39	39	44

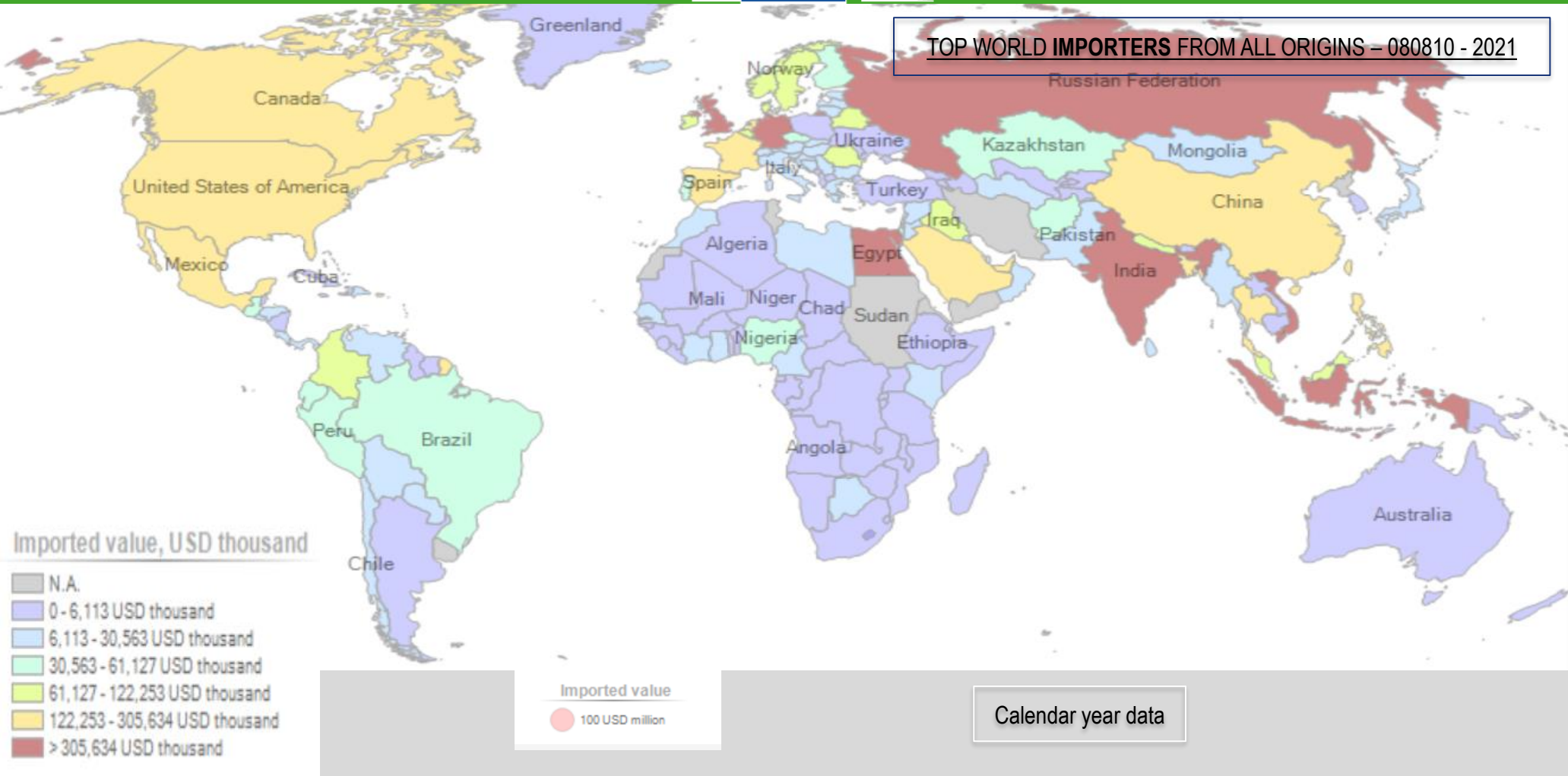
Marketing Year 	Month 											
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
2022/2023	140	122	54	-	-	-	-	-	-	-	-	-
2021/2022	136	126	53	17	8	27	29	35	76	122	149	152
2020/2021	114	78	46	24	39	45	36	56	91	114	133	152
2019/2020	109	75	30	18	24	33	37	66	92	113	120	117
2018/2019	118	102	61	21	23	43	34	46	90	105	117	117
2017/2018	121	91	55	39	46	71	70	118	108	120	127	130
2016/2017	118	103	47	22	30	41	29	85	111	123	127	128
2015/2016	129	321	40	22	27	34	37	76	102	122	156	128
2014/2015	107	106	99	36	49	77	77	94	109	126	130	131
2013/2014	107	78	40	27	45	54	36	72	103	120	114	121
2012/2013	106	91	67	38	80	91	84	96	107	119	125	126

5. EXPORT DIVERSIFICATION

- **Map of top world importers/exporters of apples - map**
- **Bar chart on top world importers/exporters and annual growth rates**
- **Key trade indicators on top world importers/exporters of apples**
- **World consumption of apples, main players**



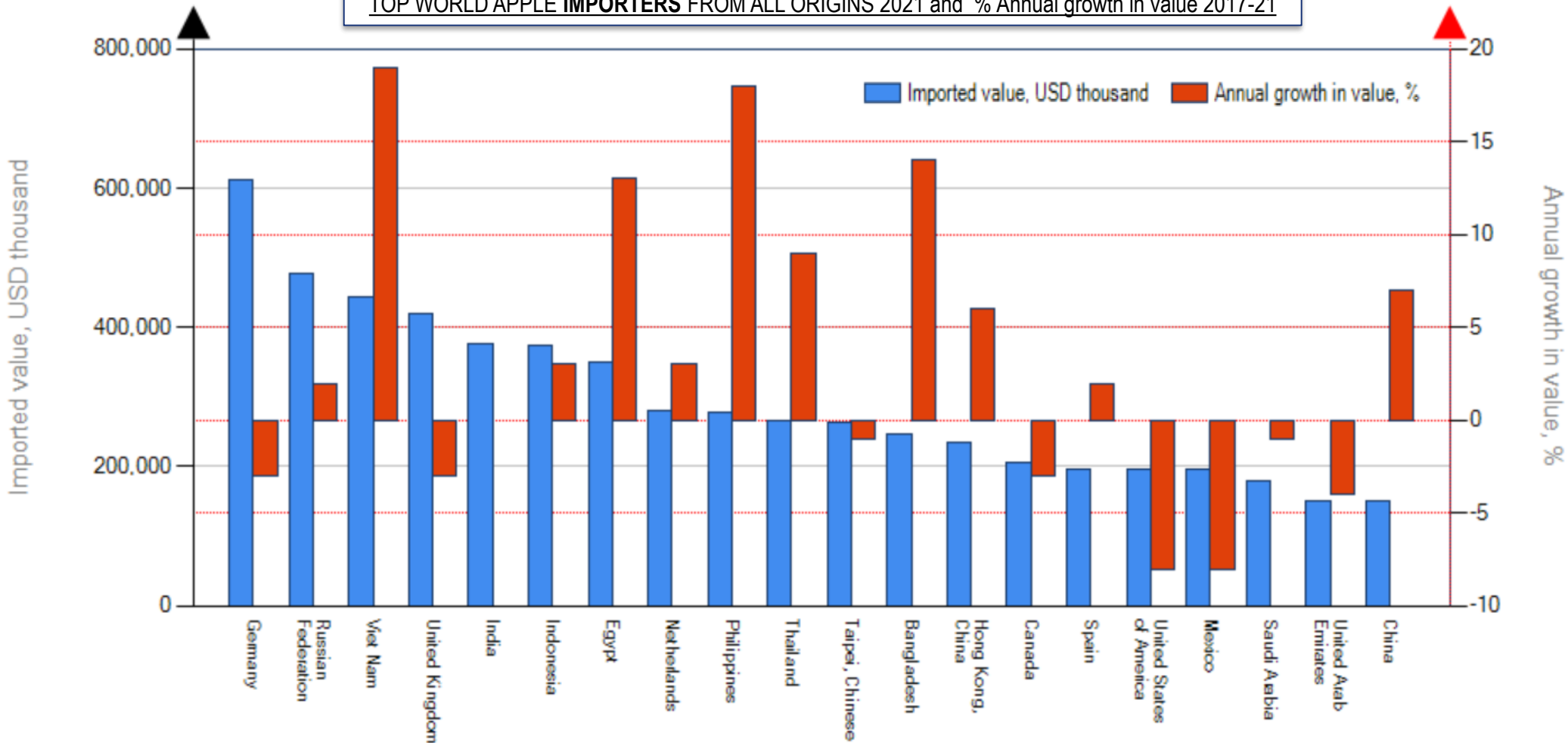
TOP WORLD IMPORTERS FROM ALL ORIGINS – 080810 - 2021





Calendar year data

TOP WORLD APPLE IMPORTERS FROM ALL ORIGINS 2021 and % Annual growth in value 2017-21



Data source: ITC/COMTRADE



Calendar year data

TOP WORLD APPLE IMPORTERS FROM ALL ORIGINS - 080810

Importers	Value imported in 2021 (USD thousand) ▼	Trade balance in 2021 (USD thousand) i	Quantity imported in 2021	Quantity Unit	Unit value (USD/unit) i	Annual growth in value between 2017- 2021 (%) i	Annual growth in quantity between 2017- 2021 (%) i	Share in world imports (%) i	Average tariff (estimated) applied by the country (%) i	Ease of doing business ranking i	Number of non-tariff requirements applied by the country
World	8,463,751	-505,282	0	No quantity		1		100			
Germany i	611,268	-556,014	595,986	Tons	1,026	-3	-6	7.2	4.9	22	20
Russian Federation i	477,432	-472,376	615,999	Tons	775	2	-5	5.6	4.1	28	216
Viet Nam	444,069	-443,115	285,437	Tons	1,556	19	19	5.2	9.1	70	
United Kingdom i	420,880	-410,253	327,473	Tons	1,285	-3	-10	5	4.9	8	20
India i	377,427	-363,082	436,194	Tons	865	0	3	4.5	48.5	63	47
Indonesia i	374,148	-374,148	189,363	Tons	1,976	3	3	4.4	4.7	73	27
Egypt i	348,935	-348,526	281,955	Tons	1,238	13		4.1	30.2	114	N/A
Netherlands i	280,440	-52,480	243,678	Tons	1,151	3	3	3.3	4.9	42	20
Philippines i	279,187	-279,187	184,265	Tons	1,515	18	7	3.3	6.4	95	46
Thailand i	266,610	-260,441	188,428	Tons	1,415	9	6	3.2	7.4	21	
Taipei, Chinese	264,663	-264,475	146,992	Tons	1,801	-1	-3	3.1	25.4	15	
Bangladesh	245,698	-245,697	262,098	Tons	937	14	5	2.9	25	168	
Hong Kong, China i	235,235	-176,559	165,148	Tons	1,424	6	0	2.8	0	3	19
Canada i	205,692	-165,505	196,264	Tons	1,048	-3	-3	2.4	1.9	23	104
Spain i	197,496	-85,695	0	No quantity		2		2.3	4.9	30	20
United States of America i	197,132	719,537	115,620	Tons	1,705	-8	-9	2.3	0	6	49
Mexico i	196,765	-196,233	153,959	Tons	1,278	-8	-14	2.3	19.3	60	9
Saudi Arabia i	179,335	-179,333	119,677	Tons	1,498	-1	-8	2.1	0	62	144
United Arab Emirates	151,412	-128,530	206,207	Tons	734	-4	3	1.8	0	16	54
China i	150,977	1,278,605	67,985	Tons	2,221	7	1	1.8	16.2	31	74

Data source: ITC/COMTRADE

Further detail

TOP WORLD IMPORTERS – Thousand Euro – Calendar year data



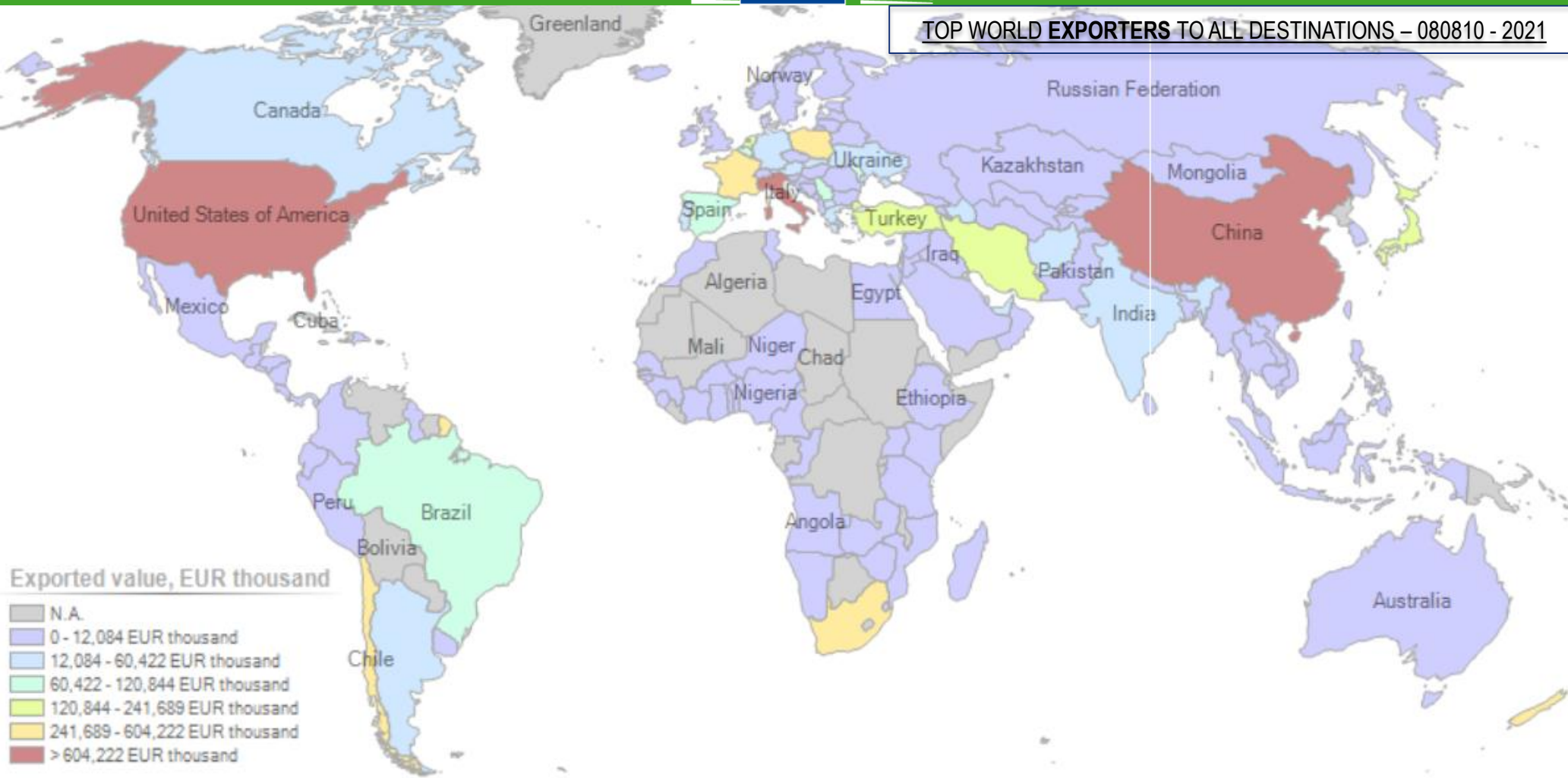
Importers	Imported value in 2010	Imported value in 2011	Imported value in 2012	Imported value in 2013	Imported value in 2014	Imported value in 2015	Imported value in 2016	Imported value in 2017	Imported value in 2018	Imported value in 2019	Imported value in 2020	Imported value in 2021 ▼
World	4,867,642	5,208,142	5,978,766	6,393,676	5,936,080	6,982,817	6,982,595	7,060,472	6,836,948	6,897,443	6,928,892	7,154,528
Germany <i>i</i>	439,511	483,536	464,479	533,864	447,191	455,688	464,563	610,276	618,201	441,369	577,322	516,713
Russian Federation <i>i</i>	501,628	543,463	619,400	594,347	467,040	342,964	334,707	359,946	438,121	351,920	417,763	403,580
Viet Nam <i>i</i>	18,489	18,093	18,376	18,457	18,411	34,337	46,633	59,168	70,884	112,055	121,888	375,377
United Kingdom <i>i</i>	383,154	371,386	426,655	460,278	406,602	442,759	397,993	417,125	421,214	378,932	386,388	355,776
India <i>i</i>	91,348	133,233	152,492	159,250	176,322	189,255	214,857	272,219	253,434	217,911	176,372	319,044
Indonesia <i>i</i>	126,580	133,831	132,585	132,240	150,644	125,237	238,116	278,995	301,207	305,159	285,825	316,272
Egypt <i>i</i>	70,826	96,280	181,023	166,621	231,762	402,320	323,880	193,338	194,305	366,386	270,946	294,959
Netherlands <i>i</i>	212,023	241,156	248,204	346,120	263,615	203,250	189,845	192,566	243,738	178,883	205,161	237,060
Philippines <i>i</i>	31,556	47,614	59,388	67,601	62,751	79,003	138,498	135,107	136,438	151,052	220,413	236,001
Thailand <i>i</i>	92,392	97,617	124,053	139,430	128,243	211,308	217,717	178,485	161,225	189,095	226,612	225,369
Taipei, Chinese <i>i</i>	114,370	103,857	127,677	153,117	184,492	215,279	250,051	236,144	205,729	227,830	189,991	223,723
Bangladesh <i>i</i>	41,033	42,846	39,169	29,336		77,965	140,628	140,153	132,536	182,924	202,972	207,693
Hong Kong, China <i>i</i>	90,223	103,737	119,932	99,614	111,488	160,087	157,869	160,320	167,749	225,255	184,297	198,847
Canada <i>i</i>	138,719	143,905	183,313	209,202	188,257	178,608	234,607	198,172	179,138	190,471	165,760	173,874
Spain <i>i</i>	161,528	171,980	167,333	208,776	164,336	161,296	172,604	157,028	158,957	147,044	162,003	166,946
United States of America <i>i</i>	160,179	118,619	158,389	197,386	213,468	219,428	280,505	237,106	191,382	213,567	158,740	166,638
Mexico <i>i</i>	173,575	153,111	226,489	259,023	207,753	252,117	212,190	249,064	245,738	252,791	218,619	166,328
Saudi Arabia <i>i</i>	117,960	126,502	146,101	141,928	134,280	172,556	176,118	164,287	163,869	165,979	162,445	151,594
United Arab Emirates <i>i</i>			160,065	177,890	183,031	210,347	192,423	171,928	137,713	127,199	119,264	127,991
China <i>i</i>	57,183	83,108	71,827	50,797	34,846	132,118	111,305	101,968	99,397	195,659	121,380	127,623

Data source: ITC/COMTRADE



Calendar year data

TOP WORLD EXPORTERS TO ALL DESTINATIONS – 080810 - 2021



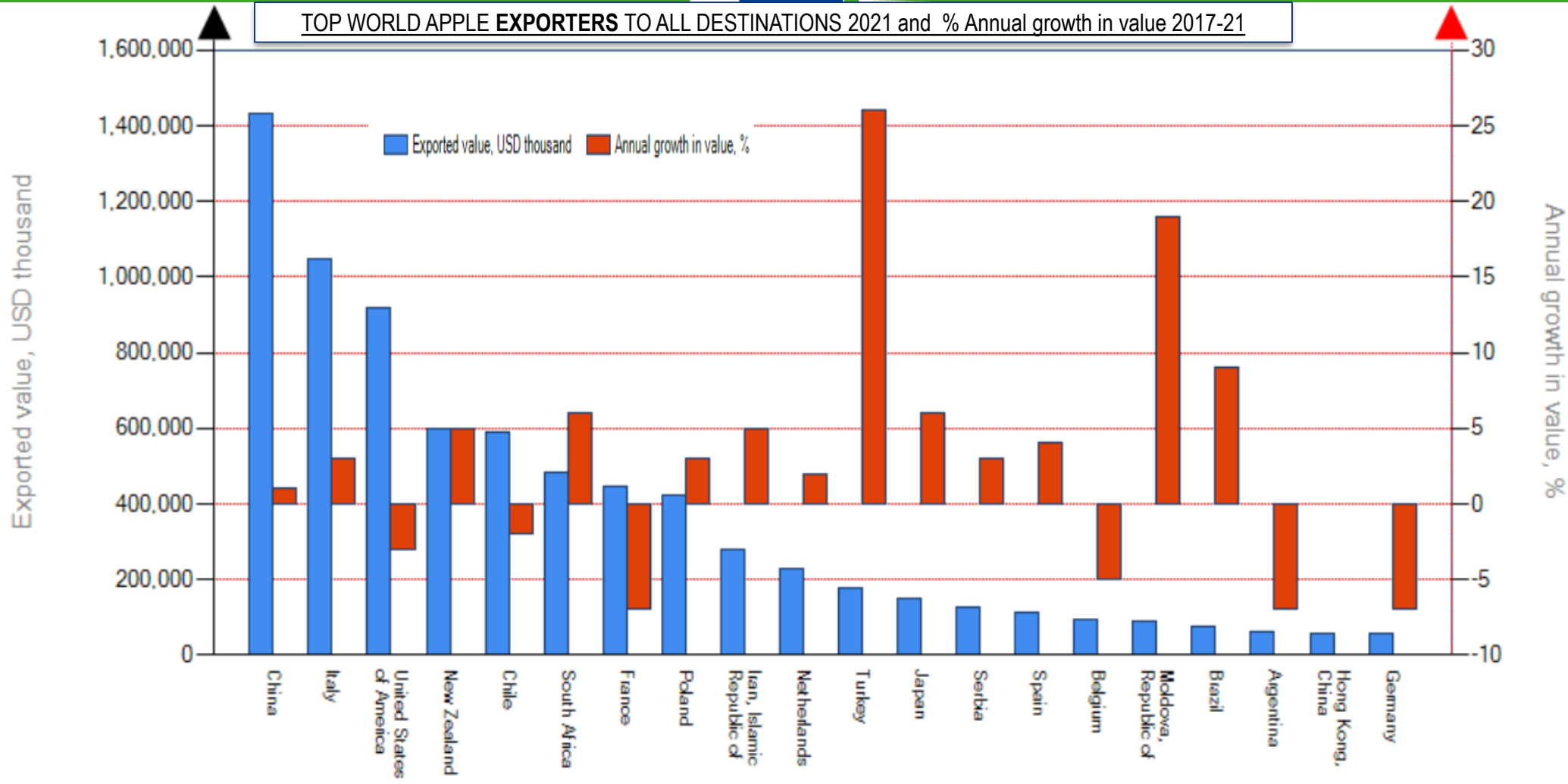
Data source: ITC/COMTRADE

Further detail



Calendar year data

TOP WORLD APPLE EXPORTERS TO ALL DESTINATIONS 2021 and % Annual growth in value 2017-21



Data source: ITC/COMTRADE

Further detail



Calendar year data

TOP WORLD APPLE EXPORTERS TO ALL DESTINATIONS - 080810

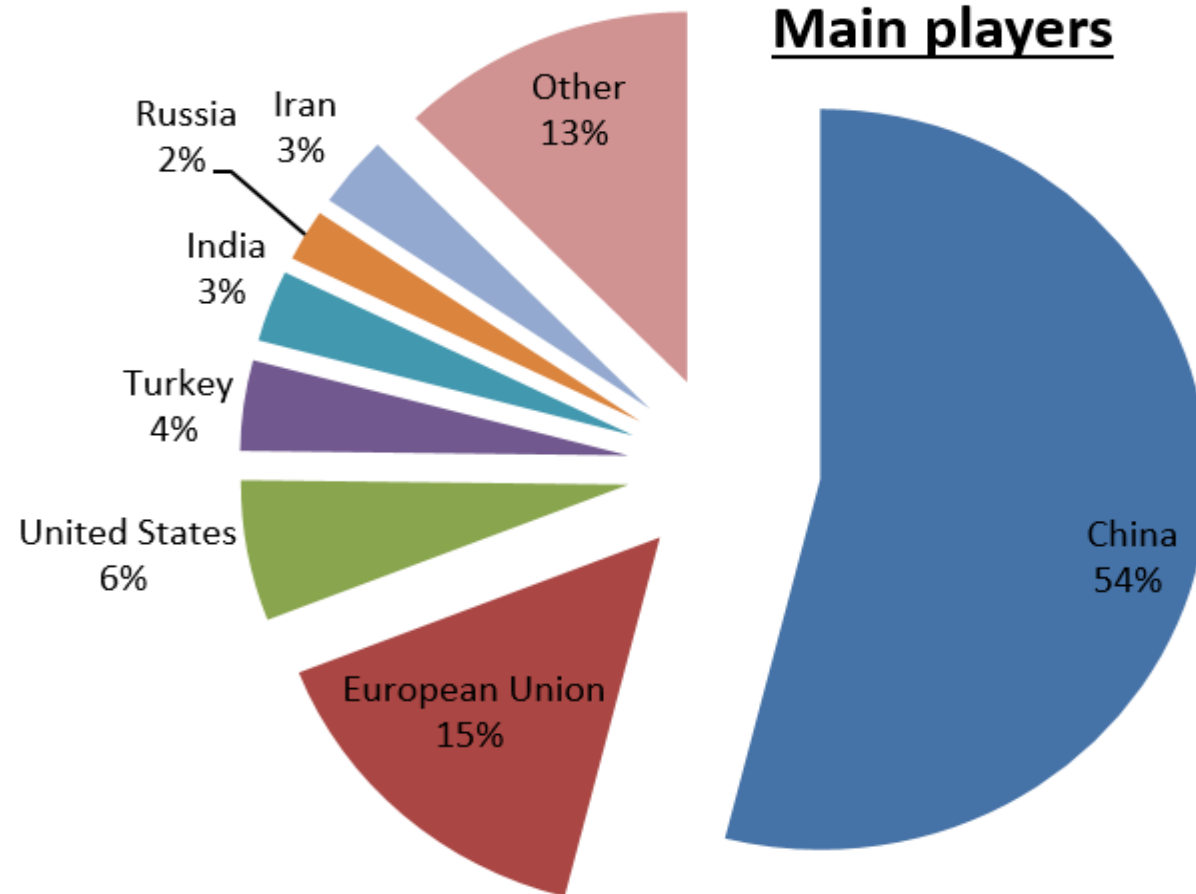
Exporters	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons	Exported quantity, Tons▼
World	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity	No Quantity
China <i>i</i>	1,122,953	1,034,635	975,878	994,664	865,048	833,356	1,323,328	1,334,874	1,118,486	971,146	1,058,094	1,078,352
Iran, Islamic Republic of <i>i</i>	268,118	226,301	399,227	205,510	433,997	321,468	354,243	604,241	424,942	746,440	884,751	985,444
Poland <i>i</i>	705,319	526,475	941,678	1,216,294	1,026,593	845,105	1,009,193	941,867	794,318	973,806	657,310	921,863
Italy <i>i</i>	857,330	975,852	933,361	787,795	974,847	1,143,837	1,050,232	1,033,666	686,053	934,728	938,141	920,271
United States of America <i>i</i>	791,203	833,415	874,003	891,229	888,632	989,078	776,657	910,290	927,760	832,423	807,525	752,834
Chile <i>i</i>	842,131	801,470	761,984	833,129	819,591	673,181	821,287	716,299	778,972	673,864	660,011	643,736
South Africa <i>i</i>	391,520	713,568	580,972	No Quantity	381,885	465,695	510,897	553,048	448,668	464,388	508,451	589,186
New Zealand <i>i</i>	259,683	299,452	284,450	322,137	307,893	358,510	380,924	380,845	408,743	432,194	443,879	403,307
Turkey <i>i</i>	80,208	87,302	68,774	126,007	112,719	142,155	140,595	201,181	238,345	257,682	211,493	354,560
France <i>i</i>	689,569	729,302	626,319	543,441	701,343	634,095	574,927	535,305	431,159	381,354	410,131	307,883
Moldova, Republic of <i>i</i>	162,522	195,790	147,335	194,286	117,481	97,775	131,312	221,984	216,074	218,218	193,506	206,123
Serbia <i>i</i>	107,007	130,182	61,642	115,938	135,982	187,366	232,223	197,406	144,760	217,001	172,778	179,637
Netherlands <i>i</i>	330,996	380,907	313,452	316,742	236,869	201,334	194,725	180,508	191,835	163,113	194,306	158,204
Belgium <i>i</i>	244,292	267,803	182,532	200,429	178,890	232,621	211,207	162,899	112,640	189,150	153,650	125,880
Lebanon <i>i</i>	79,168	61,455	88,118	71,483	53,104	56,944	58,530	70,818	62,084	39,498	50,352	121,125
Spain <i>i</i>	111,765	132,148	130,037	112,833	123,325	130,345	132,729	131,696	118,668	127,076	142,089	116,632
Brazil <i>i</i>	90,818	48,666	72,253	85,429	44,294	60,112	30,646	55,437	70,997	56,713	62,564	99,048
Argentina <i>i</i>	180,436	234,339	132,117	163,598	144,340	106,326	90,909	77,746	93,940	109,341	106,083	89,739
Macedonia, North <i>i</i>	90,105	73,640	85,332	77,070	68,687	82,147	82,268	41,525	49,757	103,075	91,688	80,027
Greece <i>i</i>	43,685	38,629	47,101	54,493	69,598	93,622	88,872	75,395	71,917	89,024	74,787	78,115
Azerbaijan <i>i</i>	42,096	46,640	59,810	41,666	45,575	37,946	66,321	77,489	89,822	96,892	72,088	66,849

Data source: ITC/COMTRADE



World consumption of fresh apples 2019/20 (volume)

Main players



GENERAL REMARKS AND DISCLAIMERS

1. Where EU28 is listed it should be read as "EU+UK"; since 1 February 2020 Comext data on EU27 is the standard default (1 January 2021 for Taxud data). In a few cases there is a need to check on the content of the slide to distinguish between EU28 and EU27 because an upgrade of apps may still be ongoing.
2. Due to different timings of data processing in different slides and some other factors, such as the intermediate data carrier and methodologies, some differences on figures referred to similar or almost identical indicators are possible.
3. This a working document intended for reflection and analysis not containing any official position of the European Commission.

The end

Thank you