

# Annex C. Statistical Annex

## ANNEX C

### Table C.1. World cereal projections

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>WHEAT</b>												
<b>World</b>												
Production	Mt	778.5	795.7	799.5	808.2	812.9	820.1	826.7	833.8	841.2	848.3	854.9
Area	Mha	221.8	223.6	223.1	222.7	222.8	223.2	223.4	223.8	224.2	224.5	224.8
Yield	t/ha	3.51	3.56	3.58	3.63	3.65	3.67	3.70	3.73	3.75	3.78	3.80
Consumption	Mt	771.4	794.3	800.5	805.6	811.4	818.8	826.1	832.9	840.0	846.7	853.7
Feed use	Mt	149.7	151.9	154.2	156.3	157.5	159.2	160.7	161.8	163.1	163.9	164.6
Food use	Mt	505.5	518.4	523.8	528.5	534.2	539.6	544.5	549.2	553.8	558.3	562.4
Biofuel use	Mt	9.0	9.4	9.7	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Other use	Mt	65.7	72.4	70.2	68.0	66.3	66.2	66.7	67.3	68.4	69.4	71.2
Exports	Mt	193.8	192.8	195.1	197.2	199.0	202.2	204.7	207.0	209.3	211.6	213.4
Closing stocks	Mt	292.7	296.4	295.4	298.0	299.4	300.8	301.4	302.4	303.6	305.2	306.4
Price <sup>1</sup>	USD/t	339.2	315.5	272.8	263.2	268.0	271.5	276.1	281.4	285.5	289.2	293.9
<b>Developed countries</b>												
Production	Mt	404.6	410.6	411.9	414.5	416.2	419.4	422.2	425.5	428.9	432.2	434.9
Consumption	Mt	266.1	272.4	272.0	271.5	270.4	271.2	272.4	273.7	275.3	276.7	278.6
Net trade	Mt	137.1	139.6	141.9	143.8	145.0	147.5	149.4	151.1	152.8	154.5	155.6
Closing stocks	Mt	73.7	75.5	73.3	72.5	73.2	73.8	74.3	75.0	75.9	76.8	77.5
<b>Developing countries</b>												
Production	Mt	373.9	385.1	387.6	393.7	396.7	400.7	404.4	408.3	412.3	416.2	419.9
Consumption	Mt	505.3	521.9	528.5	534.1	540.9	547.5	553.7	559.2	564.7	570.0	575.1
Net trade	Mt	-133.2	-139.6	-141.9	-143.8	-145.0	-147.5	-149.4	-151.1	-152.8	-154.5	-155.6
Closing stocks	Mt	219.1	220.9	222.0	225.5	226.3	227.0	227.1	227.4	227.8	228.4	228.9
<b>OECD<sup>2</sup></b>												
Production	Mt	284.4	292.4	292.4	292.8	293.1	294.6	295.8	297.3	299.1	300.6	301.7
Consumption	Mt	218.6	222.2	223.1	222.0	221.9	221.7	221.9	222.4	223.0	223.6	224.1
Net trade	Mt	69.5	70.5	69.9	69.8	70.1	72.2	73.4	74.3	75.3	76.3	77.0
Closing stocks	Mt	55.3	53.1	52.4	53.5	54.6	55.4	55.8	56.4	57.1	57.9	58.5
<b>MAIZE</b>												
<b>World</b>												
Production	Mt	1 190.4	1 220.3	1 236.6	1 253.5	1 264.5	1 280.7	1 295.2	1 311.4	1 326.7	1 341.8	1 355.4
Area	Mha	202.4	205.0	206.0	206.5	207.1	208.0	208.8	209.7	210.6	211.5	212.4
Yield	t/ha	5.88	5.95	6.00	6.07	6.10	6.16	6.20	6.25	6.30	6.34	6.38
Consumption	Mt	1 195.5	1 224.6	1 238.4	1 251.0	1 267.4	1 282.0	1 296.8	1 311.7	1 326.8	1 341.9	1 356.4
Feed use	Mt	684.0	703.7	716.5	727.1	735.2	744.9	754.7	764.3	774.4	784.5	794.5
Food use	Mt	141.7	145.2	149.0	151.9	154.3	156.6	158.8	161.0	163.1	165.2	167.2
Biofuel use	Mt	181.9	191.5	192.6	193.4	194.7	195.7	196.8	197.9	199.1	200.3	201.5
Other use	Mt	84.8	78.7	73.3	70.5	74.4	74.9	75.7	76.8	77.4	78.1	78.7
Exports	Mt	183.5	178.9	180.6	182.0	184.7	187.6	190.4	193.3	196.1	198.8	201.7
Closing stocks	Mt	303.7	299.1	301.7	308.6	310.1	313.2	316.0	320.1	324.4	328.7	332.1
Price <sup>3</sup>	USD/t	274.2	258.1	211.4	204.7	208.0	210.9	214.7	217.7	220.6	223.4	226.7
<b>Developed countries</b>												
Production	Mt	523.7	537.7	540.5	545.9	548.6	553.3	557.4	562.3	566.6	570.9	575.1
Consumption	Mt	466.7	477.2	482.5	487.9	491.7	494.6	498.2	502.0	505.6	509.2	512.6
Net trade	Mt	57.4	57.8	56.8	55.9	56.9	57.9	58.6	59.1	59.8	60.6	61.5
Closing stocks	Mt	90.6	93.0	94.1	96.3	96.4	97.2	97.8	99.0	100.2	101.3	102.3
<b>Developing countries</b>												
Production	Mt	666.7	682.6	696.0	707.6	715.8	727.4	737.8	749.1	760.1	770.9	780.3
Consumption	Mt	728.9	747.4	755.8	763.1	775.8	787.4	798.6	809.8	821.2	832.8	843.7
Net trade	Mt	-61.8	-62.2	-61.2	-60.2	-61.3	-62.3	-63.0	-63.5	-64.2	-65.0	-65.9
Closing stocks	Mt	213.0	206.1	207.5	212.3	213.7	216.0	218.2	221.1	224.2	227.4	229.8
<b>OECD<sup>2</sup></b>												
Production	Mt	481.3	499.6	501.8	506.3	507.9	511.2	513.9	517.3	520.2	522.9	525.7
Consumption	Mt	501.5	512.3	517.7	523.2	526.8	529.8	533.6	537.4	541.1	544.8	548.5
Net trade	Mt	-13.2	-17.7	-18.8	-18.9	-19.3	-19.6	-20.3	-21.1	-22.0	-22.9	-23.6
Closing stocks	Mt	71.3	69.8	72.8	74.8	75.1	76.1	76.7	77.8	78.8	79.7	80.5

## ANNEX C

### Table C.1. World cereal projections (cont.)

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>OTHER COARSE GRAINS</b>												
<b>World</b>												
Production	Mt	306.3	309.1	310.2	313.7	315.0	317.3	319.6	322.4	325.1	327.5	329.7
Area	Mha	149.3	149.5	149.5	149.3	149.3	149.2	149.2	149.2	149.3	149.3	149.3
Yield	t/ha	2.05	2.07	2.07	2.10	2.11	2.13	2.14	2.16	2.18	2.19	2.21
Consumption	Mt	302.9	303.6	306.2	310.1	312.5	314.6	316.7	319.0	321.4	323.8	326.1
Feed use	Mt	172.8	167.7	167.7	169.4	170.5	171.2	172.2	173.0	174.0	175.0	176.1
Food use	Mt	77.3	82.8	84.8	86.6	87.7	89.2	90.4	91.9	93.2	94.4	95.5
Biofuel use	Mt	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Other use	Mt	34.8	35.2	35.6	35.9	35.9	35.7	35.5	35.5	35.4	35.5	35.5
Exports	Mt	48.5	46.0	45.7	45.5	45.8	46.4	47.2	47.8	48.7	49.2	49.8
Closing stocks	Mt	61.9	62.5	63.6	64.5	64.1	63.9	64.0	64.5	65.3	66.2	66.9
Price <sup>4</sup>	USD/t	288.3	264.8	237.3	226.8	228.7	234.1	239.2	243.8	247.6	250.9	254.9
<b>Developed countries</b>												
Production	Mt	188.7	184.9	183.8	184.5	184.7	184.9	185.5	186.2	187.0	187.6	187.9
Consumption	Mt	151.7	151.9	151.7	152.3	152.6	152.0	151.8	151.5	151.4	151.5	151.4
Net trade	Mt	35.3	32.5	32.2	32.2	32.5	33.1	33.9	34.5	35.2	35.7	36.2
Closing stocks	Mt	33.7	35.8	35.8	35.8	35.3	35.1	34.9	35.1	35.4	35.8	36.0
<b>Developing countries</b>												
Production	Mt	117.6	124.1	126.4	129.2	130.2	132.4	134.1	136.2	138.1	140.0	141.8
Consumption	Mt	151.2	151.7	154.6	157.7	159.9	162.5	165.0	167.5	170.0	172.4	174.7
Net trade	Mt	-32.5	-29.7	-29.3	-29.4	-29.7	-30.3	-31.1	-31.7	-32.4	-32.9	-33.4
Closing stocks	Mt	28.2	26.7	27.8	28.7	28.7	28.9	29.1	29.4	29.9	30.4	30.8
<b>OECD<sup>2</sup></b>												
Production	Mt	156.6	153.8	152.3	152.7	152.7	152.6	152.8	153.1	153.5	153.7	153.8
Consumption	Mt	132.2	132.6	132.5	133.1	133.4	132.7	132.6	132.3	132.3	132.3	132.3
Net trade	Mt	23.3	21.1	20.3	19.6	19.5	20.0	20.3	20.7	21.0	21.1	21.3
Closing stocks	Mt	25.4	25.8	25.3	25.2	25.0	24.9	24.8	25.0	25.3	25.5	25.7
<b>RICE</b>												
<b>World</b>												
Production	Mt	521.5	522.3	530.2	537.3	543.0	549.8	555.5	561.3	566.8	572.1	576.9
Area	Mha	165.8	165.9	166.4	166.6	166.8	167.0	167.1	167.2	167.3	167.3	167.4
Yield	t/ha	3.15	3.15	3.19	3.22	3.26	3.29	3.33	3.36	3.39	3.42	3.45
Consumption	Mt	519.9	521.0	528.2	535.0	542.3	549.0	554.8	560.6	566.5	571.9	576.9
Feed use	Mt	20.3	19.1	19.3	19.5	19.9	20.3	20.6	21.0	21.3	21.5	21.8
Food use	Mt	407.0	413.1	418.5	423.5	429.3	434.4	438.6	442.9	447.3	451.2	454.7
Exports	Mt	51.6	53.8	54.4	55.9	56.8	57.8	58.9	60.2	61.4	62.5	63.5
Closing stocks	Mt	201.0	201.5	203.5	205.8	206.5	207.3	208.0	208.7	209.0	209.2	209.2
Price <sup>5</sup>	USD/t	412.8	435.4	425.8	418.1	425.0	429.8	436.8	442.2	447.5	453.0	458.6
<b>Developed countries</b>												
Production	Mt	17.3	16.5	16.6	16.6	16.6	16.6	16.5	16.4	16.4	16.3	16.4
Consumption	Mt	20.8	20.8	20.9	21.0	21.0	21.1	21.2	21.2	21.2	21.3	21.3
Net trade	Mt	-4.1	-4.6	-4.5	-4.5	-4.4	-4.4	-4.4	-4.4	-4.5	-4.5	-4.5
Closing stocks	Mt	12.1	12.5	12.7	12.9	12.8	12.7	12.5	12.2	11.8	11.3	10.9
<b>Developing countries</b>												
Production	Mt	504.2	505.8	513.6	520.6	526.4	533.2	539.0	544.9	550.4	555.8	560.6
Consumption	Mt	499.0	500.1	507.3	514.0	521.3	527.9	533.6	539.4	545.2	550.6	555.6
Net trade	Mt	3.2	4.6	4.5	4.5	4.4	4.4	4.4	4.4	4.5	4.5	4.5
Closing stocks	Mt	188.9	189.0	190.8	192.9	193.7	194.6	195.5	196.5	197.2	197.9	198.3
<b>OECD<sup>2</sup></b>												
Production	Mt	22.1	21.1	21.3	21.4	21.4	21.3	21.3	21.2	21.2	21.1	21.1
Consumption	Mt	25.9	25.8	25.9	26.1	26.1	26.2	26.3	26.3	26.3	26.4	26.4
Net trade	Mt	-4.5	-5.0	-4.9	-4.9	-4.8	-4.8	-4.8	-4.8	-4.8	-4.8	-4.8
Closing stocks	Mt	13.7	14.2	14.5	14.7	14.7	14.5	14.3	14.0	13.6	13.2	12.7

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. No.2 hard red winter wheat, ordinary protein, United States FOB Gulf Ports (June/May).
2. Excludes Iceland and Costa Rica but includes all EU member countries.
3. No.2 yellow corn, United States FOB Gulf Ports (September/August).
4. Feed barley, Europe, FOB Rouen (July/June).
5. FAO all rice price index normalised to India, indica high quality 5% broken average 2014-2016 (January/December).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.2. World oilseed projections

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>SOYBEAN</b>												
<b>World</b>												
Production	Mt	363.3	384.0	388.0	392.2	395.1	399.2	402.7	405.8	408.8	411.7	414.8
Area	Mha	131.8	134.8	135.4	135.7	135.9	136.5	136.7	136.9	137.0	137.1	137.3
Yield	t/ha	2.76	2.85	2.87	2.89	2.91	2.93	2.95	2.97	2.98	3.00	3.02
Consumption	Mt	365.1	382.2	386.4	391.1	394.7	398.5	401.9	405.0	408.1	411.4	414.4
Crush	Mt	327.7	344.1	347.6	351.5	354.8	358.3	361.4	364.3	367.1	370.2	372.9
Closing stocks	Mt	41.6	43.6	45.2	46.4	46.8	47.5	48.4	49.1	49.9	50.2	50.7
Price <sup>1</sup>	USD/t	592.5	539.3	501.1	495.7	508.8	518.2	524.1	532.7	540.3	548.7	556.3
<b>Developed countries</b>												
Production	Mt	137.9	141.0	142.6	144.0	145.0	146.4	147.6	148.7	149.8	150.7	151.7
Consumption	Mt	99.1	104.0	104.9	106.3	107.1	107.9	108.7	109.5	110.2	110.9	111.4
Crush	Mt	90.4	94.7	95.6	96.8	97.7	98.4	99.2	100.0	100.7	101.2	101.7
Closing stocks	Mt	9.7	12.1	12.7	12.9	13.0	13.1	13.3	13.4	13.6	13.7	13.8
<b>Developing countries</b>												
Production	Mt	225.4	243.0	245.4	248.2	250.1	252.8	255.1	257.1	259.0	261.0	263.1
Consumption	Mt	266.0	278.2	281.5	284.8	287.5	290.6	293.1	295.5	297.8	300.5	303.0
Crush	Mt	237.3	249.4	252.0	254.7	257.1	259.9	262.2	264.4	266.5	268.9	271.2
Closing stocks	Mt	31.9	31.5	32.5	33.4	33.8	34.4	35.1	35.7	36.3	36.6	36.9
<b>OECD<sup>2</sup></b>												
Production	Mt	127.4	129.6	131.0	132.3	133.2	134.4	135.5	136.5	137.4	138.3	139.1
Consumption	Mt	99.9	103.5	104.2	105.5	106.4	107.2	108.0	108.9	109.5	110.2	110.7
Crush	Mt	92.0	95.2	95.9	97.1	98.0	98.7	99.5	100.3	101.0	101.6	102.1
Closing stocks	Mt	8.8	10.4	11.0	11.3	11.4	11.5	11.7	11.8	12.0	12.1	12.2
<b>OTHER OILSEEDS</b>												
<b>World</b>												
Production	Mt	170.8	175.0	176.4	178.5	179.6	181.2	183.0	184.5	186.0	187.5	189.1
Area	Mha	94.1	94.1	94.2	94.8	94.9	95.0	95.2	95.3	95.5	95.6	95.8
Yield	t/ha	1.82	1.86	1.87	1.88	1.89	1.91	1.92	1.93	1.95	1.96	1.97
Consumption	Mt	170.1	174.5	175.8	178.3	179.5	181.1	182.9	184.4	185.9	187.5	189.1
Crush	Mt	143.1	147.6	148.9	151.2	152.5	154.1	155.8	157.3	158.8	160.2	161.8
Closing stocks	Mt	9.0	9.6	10.2	10.5	10.6	10.7	10.8	10.9	10.9	10.9	11.0
Price <sup>3</sup>	USD/t	672.0	568.3	550.5	556.9	579.0	593.7	601.3	614.9	627.2	641.0	652.8
<b>Developed countries</b>												
Production	Mt	96.9	98.3	99.1	100.3	100.7	101.5	102.5	103.3	104.1	104.8	105.7
Consumption	Mt	89.2	89.1	89.4	90.9	91.3	92.1	92.9	93.5	94.2	94.8	95.5
Crush	Mt	82.0	82.1	82.5	83.8	84.3	85.0	85.8	86.4	87.0	87.7	88.3
Closing stocks	Mt	6.6	6.8	7.4	7.7	7.8	7.9	8.0	8.1	8.1	8.1	8.1
<b>Developing countries</b>												
Production	Mt	74.0	76.7	77.3	78.3	78.9	79.8	80.5	81.2	81.9	82.6	83.3
Consumption	Mt	81.0	85.4	86.4	87.4	88.2	89.0	90.0	90.9	91.8	92.7	93.6
Crush	Mt	61.1	65.5	66.4	67.4	68.2	69.1	70.0	70.9	71.7	72.6	73.5
Closing stocks	Mt	2.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
<b>OECD<sup>2</sup></b>												
Production	Mt	59.7	61.9	62.4	63.0	63.1	63.3	63.9	64.3	64.7	65.1	65.5
Consumption	Mt	60.4	60.0	60.2	61.3	61.6	62.0	62.4	62.7	63.0	63.3	63.6
Crush	Mt	54.8	54.6	54.8	55.9	56.1	56.5	57.0	57.2	57.5	57.8	58.1
Closing stocks	Mt	3.9	4.0	4.7	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.3
<b>PROTEIN MEALS</b>												
<b>World</b>												
Production	Mt	358.9	372.8	376.5	381.3	384.8	388.6	392.2	395.5	398.7	402.1	405.2
Consumption	Mt	360.5	371.6	376.3	381.2	384.8	388.6	392.2	395.4	398.7	402.0	405.2
Closing stocks	Mt	14.5	16.2	16.4	16.6	16.6	16.6	16.6	16.7	16.8	16.9	17.0
Price <sup>4</sup>	USD/t	466.8	447.7	408.9	404.7	411.0	416.4	420.8	425.7	430.0	434.6	439.4
<b>Developed countries</b>												
Production	Mt	114.6	117.4	118.3	120.1	121.0	122.0	123.0	124.0	124.9	125.7	126.5
Consumption	Mt	124.0	126.8	127.6	128.5	128.7	128.8	129.1	129.2	129.4	129.5	129.6
Closing stocks	Mt	2.9	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
<b>Developing countries</b>												
Production	Mt	244.2	255.4	258.2	261.2	263.7	266.6	269.2	271.5	273.8	276.4	278.8
Consumption	Mt	236.5	244.8	248.7	252.6	256.1	259.8	263.1	266.2	269.3	272.6	275.6
Closing stocks	Mt	11.6	13.1	13.3	13.4	13.4	13.4	13.5	13.5	13.6	13.7	13.8
<b>OECD<sup>2</sup></b>												
Production	Mt	105.8	108.0	108.8	110.4	111.4	112.2	113.2	114.1	114.9	115.5	116.1
Consumption	Mt	130.9	133.4	134.3	135.2	135.6	135.8	136.2	136.4	136.7	136.8	137.0
Closing stocks	Mt	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1

## ANNEX C

### Table C.2. World oilseed projections (cont.)

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>VEGETABLE OILS</b>												
<b>World</b>												
Production	Mt	217.3	224.9	226.9	229.7	231.6	233.9	236.0	238.0	239.9	241.9	243.9
of which palm oil	Mt	78.4	81.7	82.4	83.3	83.9	84.7	85.4	86.0	86.7	87.3	88.0
Consumption	Mt	216.9	224.6	227.0	229.5	231.5	233.6	235.8	237.8	239.8	241.8	243.7
Food	Mt	125.0	126.6	127.3	129.0	130.2	131.6	132.8	134.1	135.4	136.7	137.8
Biofuel	Mt	34.1	36.8	37.8	38.2	38.6	38.8	39.2	39.5	39.8	40.1	40.5
Exports	Mt	82.7	84.4	84.8	85.3	85.8	86.3	86.8	87.3	87.8	88.3	88.7
Closing stocks	Mt	19.2	20.6	20.5	20.6	20.7	20.9	21.2	21.4	21.5	21.7	21.8
Price <sup>5</sup>	USD/t	1 314.7	1 091.2	1 087.8	1 109.8	1 146.2	1 173.2	1 194.2	1 220.2	1 246.6	1 275.8	1 304.4
<b>Developed countries</b>												
Production	Mt	53.5	53.9	54.2	55.0	55.4	55.9	56.4	56.8	57.3	57.7	58.1
Consumption	Mt	56.5	57.2	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.4	57.5
Closing stocks	Mt	4.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
<b>Developing countries</b>												
Production	Mt	163.8	171.0	172.7	174.6	176.2	178.0	179.6	181.2	182.7	184.3	185.8
Consumption	Mt	160.4	167.4	169.9	172.4	174.4	176.4	178.6	180.5	182.5	184.4	186.2
Closing stocks	Mt	14.7	16.2	16.2	16.3	16.4	16.6	16.9	17.0	17.2	17.4	17.5
<b>OECD<sup>2</sup></b>												
Production	Mt	44.9	45.5	45.9	46.7	47.1	47.5	48.0	48.4	48.7	49.1	49.4
Consumption	Mt	59.6	60.2	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.7
Closing stocks	Mt	4.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2

Note: Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. Soybean, U.S., CIF Rotterdam (October/September).
2. Excludes Iceland and Costa Rica but includes all EU member countries.
3. Rapeseed, Europe, CIF Hamburg (October/September).
4. Weighted average protein meal, European port (October/September).
5. Weighted average price of oilseed oils and palm oil, European port (October/September).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.3. World sugar projections

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>WORLD</b>												
<b>SUGARBEET</b>												
Production	Mt	264.3	271.0	272.5	276.0	276.3	276.7	278.0	279.6	281.3	282.8	284.0
Area	Mha	4.4	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6
Yield	t/ha	59.82	60.07	60.32	60.81	60.82	60.82	60.96	61.13	61.31	61.47	61.60
Biofuel use	Mt	9.8	10.4	10.3	10.1	10.0	9.8	9.7	9.6	9.5	9.3	9.2
<b>SUGARCANE</b>												
Production	Mt	1 710.5	1 734.7	1 763.9	1 793.5	1 807.5	1 814.7	1 826.8	1 848.4	1 869.1	1 888.1	1 904.6
Area	Mha	24.0	24.1	24.3	24.6	24.8	24.8	25.0	25.2	25.4	25.5	25.7
Yield	t/ha	71.27	72.00	72.44	72.83	72.98	73.13	72.94	73.34	73.64	73.90	74.10
Biofuel use	Mt	363.6	401.9	426.3	442.7	458.5	471.6	485.0	496.0	506.4	515.8	525.0
<b>SUGAR</b>												
Production	Mt tq	175.5	181.2	184.8	187.3	187.0	187.0	188.3	191.1	193.7	196.1	197.8
Consumption	Mt tq	171.7	175.6	177.5	180.0	182.4	184.4	186.3	188.0	189.7	191.5	193.1
Closing stocks	Mt tq	89.2	92.3	96.1	99.7	100.8	99.8	98.2	97.7	98.2	99.2	100.4
Price, raw sugar <sup>1</sup>	USD/t	399.4	400.6	356.3	332.0	326.2	327.0	334.6	340.6	345.2	347.4	346.8
Price, white sugar <sup>2</sup>	USD/t	500.5	520.4	473.7	446.2	440.4	444.1	450.3	459.5	466.2	470.1	471.4
<b>DEVELOPED COUNTRIES</b>												
<b>SUGARBEET</b>												
Production	Mt	206.3	214.0	214.8	216.8	216.3	216.0	216.3	216.9	217.5	217.9	218.1
<b>SUGARCANE</b>												
Production	Mt	81.1	80.3	81.2	82.3	82.3	82.1	82.4	83.0	83.6	84.2	84.6
<b>SUGAR</b>												
Production	Mt tq	39.1	39.7	40.0	40.5	40.3	40.3	40.5	40.7	40.9	41.1	41.2
Consumption	Mt tq	45.7	45.3	45.2	45.3	45.3	45.4	45.4	45.3	45.3	45.3	45.3
Closing stocks	Mt tq	13.8	14.3	14.8	15.0	14.9	14.7	14.5	14.3	14.3	14.2	14.2
<b>HFCS</b>												
Production	Mt dw	8.5	8.3	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.9	7.8
Consumption	Mt dw	7.5	7.3	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.8	6.8
<b>DEVELOPING COUNTRIES</b>												
<b>SUGARBEET</b>												
Production	Mt	58.0	57.0	57.7	59.2	60.0	60.7	61.6	62.7	63.8	64.9	65.9
<b>SUGARCANE</b>												
Production	Mt	1 629.3	1 654.4	1 682.6	1 711.2	1 725.2	1 732.5	1 744.4	1 765.4	1 785.5	1 803.9	1 820.0
<b>SUGAR</b>												
Production	Mt tq	136.4	141.5	144.8	146.8	146.7	146.7	147.8	150.4	152.8	155.0	156.7
Consumption	Mt tq	126.0	130.3	132.2	134.7	137.0	139.1	141.0	142.6	144.4	146.2	147.8
Closing stocks	Mt tq	75.3	78.0	81.2	84.7	85.9	85.0	83.7	83.4	83.9	85.0	86.2
<b>HFCS</b>												
Production	Mt dw	5.4	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.9	5.9
Consumption	Mt dw	6.2	6.3	6.3	6.4	6.5	6.5	6.6	6.6	6.7	6.8	6.8
<b>OECD<sup>3</sup></b>												
<b>SUGARBEET</b>												
Production	Mt	175.4	179.2	180.3	181.3	180.7	180.3	180.6	181.0	181.6	182.0	182.2
<b>SUGARCANE</b>												
Production	Mt	139.6	143.4	143.6	143.4	143.2	142.4	142.2	143.1	144.0	144.7	145.2
<b>SUGAR</b>												
Production	Mt tq	39.8	40.8	41.5	41.6	41.4	41.2	41.3	41.5	41.7	41.9	42.0
Consumption	Mt tq	44.9	44.8	44.8	44.8	44.8	44.8	44.8	44.7	44.7	44.6	44.6
Closing stocks	Mt tq	14.2	14.2	14.8	15.2	15.4	15.4	15.2	15.1	15.0	15.0	15.0
<b>HFCS</b>												
Production	Mt dw	9.3	9.1	9.1	9.0	8.9	8.9	8.8	8.7	8.7	8.7	8.7
Consumption	Mt dw	9.0	8.8	8.7	8.6	8.6	8.5	8.4	8.4	8.3	8.3	8.3

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Raw sugar world price, ICE contract No11 nearby (October/September).
2. Refined sugar price, White Sugar Futures Contract No. 407, Euronext market, Liffe, London, Europe (October/September).
3. Excludes Iceland and Costa Rica but includes all EU member countries.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.4. World meat projections

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>WORLD</b>												
<b>BEEF AND VEAL</b>												
Production	kt cwe	71 211	72 100	72 647	73 265	73 911	74 569	75 228	75 873	76 525	77 166	77 812
Consumption	kt cwe	70 499	71 948	72 468	73 067	73 732	74 390	75 049	75 693	76 344	76 986	77 631
<b>PIGMEAT</b>												
Production	kt cwe	116 806	122 072	123 833	125 088	125 798	126 388	127 070	127 542	128 132	128 750	129 377
Consumption	kt cwe	116 667	122 023	123 765	125 009	125 725	126 313	126 994	127 466	128 056	128 674	129 302
<b>POULTRY MEAT</b>												
Production	kt rtc	136 552	139 681	141 387	142 914	144 976	146 917	148 797	150 686	152 580	154 473	156 247
Consumption	kt rtc	135 413	139 677	141 366	142 892	144 980	146 916	148 793	150 667	152 576	154 462	156 237
<b>SHEEP MEAT</b>												
Production	kt cwe	16 206	16 649	16 890	17 077	17 310	17 540	17 763	17 985	18 206	18 425	18 644
Consumption	kt cwe	16 259	16 726	16 968	17 155	17 388	17 619	17 842	18 064	18 286	18 505	18 724
<b>TOTAL MEAT</b>												
Per capita consumption <sup>1</sup>	kg rwt	28.1	28.5	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.8	28.8
<b>DEVELOPED COUNTRIES</b>												
<b>BEEF AND VEAL</b>												
Production	kt cwe	31 276	31 312	31 232	31 333	31 462	31 576	31 691	31 796	31 906	32 011	32 120
Consumption	kt cwe	29 847	29 935	29 701	29 757	29 829	29 888	29 941	29 989	30 043	30 094	30 147
<b>PIGMEAT</b>												
Production	kt cwe	47 100	46 046	45 986	46 012	45 970	45 940	45 887	45 851	45 816	45 813	45 806
Consumption	kt cwe	41 011	41 446	41 495	41 597	41 626	41 634	41 621	41 612	41 599	41 591	41 588
<b>POULTRY MEAT</b>												
Production	kt rtc	52 863	53 655	54 244	54 619	54 935	55 265	55 585	55 910	56 234	56 555	56 900
Consumption	kt rtc	49 600	51 089	51 536	51 852	52 154	52 446	52 726	52 990	53 281	53 547	53 845
<b>SHEEP MEAT</b>												
Production	kt cwe	3 383	3 462	3 493	3 491	3 516	3 539	3 559	3 579	3 598	3 617	3 635
Consumption	kt cwe	2 697	2 749	2 748	2 732	2 747	2 761	2 771	2 781	2 791	2 800	2 808
<b>TOTAL MEAT</b>												
Per capita consumption <sup>1</sup>	kg rwt	56.0	56.5	56.6	56.7	56.8	56.8	56.9	56.9	57.0	57.0	57.1
<b>DEVELOPING COUNTRIES</b>												
<b>BEEF AND VEAL</b>												
Production	kt cwe	39 935	40 789	41 414	41 932	42 450	42 993	43 537	44 078	44 620	45 155	45 692
Consumption	kt cwe	40 651	42 013	42 767	43 310	43 902	44 502	45 109	45 704	46 302	46 892	47 484
<b>PIGMEAT</b>												
Production	kt cwe	69 705	76 026	77 847	79 077	79 828	80 448	81 183	81 692	82 316	82 936	83 571
Consumption	kt cwe	75 656	80 578	82 270	83 412	84 099	84 679	85 373	85 854	86 457	87 083	87 714
<b>POULTRY MEAT</b>												
Production	kt rtc	83 689	86 027	87 143	88 295	90 041	91 652	93 212	94 776	96 346	97 918	99 347
Consumption	kt rtc	85 813	88 588	89 830	91 040	92 826	94 470	96 067	97 677	99 295	100 916	102 392
<b>SHEEP MEAT</b>												
Production	kt cwe	12 822	13 187	13 397	13 586	13 794	14 001	14 204	14 406	14 608	14 808	15 009
Consumption	kt cwe	13 561	13 977	14 220	14 422	14 641	14 858	15 071	15 283	15 495	15 705	15 915
<b>TOTAL MEAT</b>												
Per capita consumption <sup>1</sup>	kg rwt	21.8	22.3	22.5	22.5	22.6	22.7	22.7	22.8	22.8	22.9	22.9
<b>OECD<sup>2</sup></b>												
<b>BEEF AND VEAL</b>												
Production	kt cwe	30 473	30 406	30 292	30 389	30 509	30 610	30 710	30 804	30 902	30 994	31 087
Consumption	kt cwe	29 330	29 454	29 168	29 220	29 281	29 329	29 368	29 406	29 447	29 484	29 523
<b>PIGMEAT</b>												
Production	kt cwe	44 784	43 845	43 772	43 826	43 796	43 768	43 718	43 681	43 647	43 646	43 639
Consumption	kt cwe	40 038	40 773	40 770	40 908	40 950	40 962	40 951	40 940	40 925	40 917	40 912
<b>POULTRY MEAT</b>												
Production	kt rtc	53 510	54 970	55 668	56 129	56 489	56 855	57 207	57 564	57 919	58 270	58 610
Consumption	kt rtc	50 253	52 148	52 650	53 022	53 372	53 718	54 043	54 347	54 678	54 985	55 292
<b>SHEEP MEAT</b>												
Production	kt cwe	2 782	2 947	2 999	3 009	3 045	3 076	3 099	3 117	3 133	3 149	3 164
Consumption	kt cwe	2 135	2 274	2 293	2 289	2 314	2 337	2 350	2 359	2 367	2 373	2 378
<b>TOTAL MEAT</b>												
Per capita consumption <sup>1</sup>	kg rwt	56.7	57.6	57.6	57.7	57.8	57.9	57.9	57.9	57.9	58.0	58.0

Note: Calendar Year; except year ending 30 June for New Zealand in aggregates. Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

- Per capita consumption expressed in boneless retail weight. Carcass weight to boneless retail weight conversion factors are 0.67 for beef and veal, 0.73 for pig meat, 0.6 for poultry meat and 0.66 for sheep meat.
- Excludes Iceland and Costa Rica but includes all EU member countries.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.5. World dairy projections: Milk, butter and cheese

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>MILK</b>												
<b>World</b>												
Production	kt pw	888 412	910 964	925 166	938 077	952 326	966 819	981 706	995 842	1 010 318	1 024 868	1 039 320
Inventory	000 hd	719 741	745 900	756 334	764 822	774 130	785 660	797 002	808 143	819 249	830 106	840 875
Yield	t/head	1.23	1.22	1.22	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24
<b>Developed countries</b>												
Production	kt pw	409 280	410 315	412 987	414 948	417 603	420 163	422 978	425 120	427 617	430 084	432 483
Inventory	000 hd	72 878	72 803	72 703	72 573	72 496	72 500	72 499	72 484	72 475	72 456	72 433
Yield	t/head	5.62	5.64	5.68	5.72	5.76	5.80	5.83	5.87	5.90	5.94	5.97
<b>Developing countries</b>												
Production	kt pw	479 131	500 649	512 179	523 128	534 723	546 656	558 728	570 722	582 701	594 784	606 837
Inventory	000 hd	646 864	673 098	683 631	692 249	701 634	713 161	724 503	735 659	746 774	757 650	768 442
Yield	t/head	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79
<b>OECD<sup>1</sup></b>												
Production	kt pw	372 557	373 357	375 527	377 128	379 586	382 032	384 759	386 808	389 244	391 654	394 010
Inventory	000 hd	80 849	82 017	82 067	82 118	82 305	82 757	83 228	83 670	84 137	84 593	85 051
Yield	t/head	4.61	4.55	4.58	4.59	4.61	4.62	4.62	4.62	4.63	4.63	4.63
<b>FRESH DAIRY PRODUCTS</b>												
<b>World</b>												
Consumption	kt pw	460 865	476 845	485 199	493 249	501 841	510 746	519 743	528 528	537 275	546 176	554 984
<b>Developed countries</b>												
Consumption	kt pw	141 204	141 533	141 414	141 446	141 495	141 555	141 515	141 443	141 390	141 518	141 533
<b>Developing countries</b>												
Consumption	kt pw	319 661	335 312	343 785	351 803	360 345	369 191	378 228	387 085	395 885	404 658	413 451
<b>OECD<sup>1</sup></b>												
Consumption	kt pw	106 923	106 615	106 340	106 426	106 454	106 594	106 601	106 600	106 608	106 666	106 607
<b>BUTTER</b>												
<b>World</b>												
Production	kt pw	12 643	12 902	13 101	13 286	13 471	13 638	13 803	13 979	14 151	14 329	14 504
Consumption	kt pw	12 592	12 915	13 112	13 295	13 471	13 636	13 802	13 979	14 151	14 329	14 504
Stock changes	kt pw	18	-12	-10	-10	0	2	1	0	0	0	0
Price <sup>2</sup>	USD/t	4 925	4 637	4 765	4 866	5 027	5 130	5 213	5 336	5 433	5 557	5 673
<b>Developed countries</b>												
Production	kt pw	4 928	4 851	4 887	4 926	4 968	4 994	5 020	5 051	5 078	5 104	5 132
Consumption	kt pw	4 404	4 354	4 372	4 387	4 403	4 413	4 426	4 451	4 469	4 493	4 517
<b>Developing countries</b>												
Production	kt pw	7 715	8 051	8 215	8 360	8 503	8 644	8 783	8 928	9 074	9 224	9 372
Consumption	kt pw	8 189	8 561	8 740	8 908	9 068	9 223	9 376	9 527	9 682	9 836	9 988
<b>OECD<sup>1</sup></b>												
Production	kt pw	4 835	4 780	4 820	4 859	4 900	4 931	4 962	4 997	5 027	5 057	5 089
Consumption	kt pw	4 289	4 254	4 282	4 305	4 322	4 333	4 347	4 372	4 390	4 415	4 440
Stock changes	kt pw	18	-12	-10	-10	0	2	1	0	0	0	0
<b>CHEESE</b>												
<b>World</b>												
Production	kt pw	25 227	25 702	26 048	26 335	26 663	27 013	27 368	27 664	27 995	28 317	28 647
Consumption	kt pw	25 218	25 633	26 014	26 321	26 653	27 002	27 354	27 659	27 986	28 308	28 638
Stock changes	kt pw	9	69	34	14	10	12	14	5	9	9	9
Price <sup>3</sup>	USD/t	4 611	4 590	4 658	4 719	4 808	4 892	4 960	5 046	5 123	5 211	5 300
<b>Developed countries</b>												
Production	kt pw	20 754	21 174	21 446	21 668	21 931	22 206	22 485	22 706	22 958	23 201	23 449
Consumption	kt pw	19 664	19 881	20 141	20 334	20 550	20 779	21 007	21 191	21 394	21 596	21 805
<b>Developing countries</b>												
Production	kt pw	4 473	4 528	4 602	4 667	4 732	4 807	4 883	4 958	5 036	5 115	5 198
Consumption	kt pw	5 555	5 752	5 873	5 987	6 103	6 223	6 347	6 468	6 591	6 712	6 833
<b>OECD<sup>1</sup></b>												
Production	kt pw	20 032	20 439	20 681	20 878	21 108	21 358	21 623	21 829	22 068	22 299	22 536
Consumption	kt pw	19 123	19 360	19 617	19 809	20 009	20 222	20 436	20 606	20 798	20 987	21 186
Stock changes	kt pw	9	69	34	14	10	12	14	5	9	9	9

Note: Calendar Year; except year ending 30 June for New Zealand in aggregates. Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. Excludes Iceland and Costa Rica but includes all EU member countries.
2. FOB export price, butter, 82% butterfat, Oceania.
3. FOB export price, cheddar cheese, 39% moisture, Oceania.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



Table C.6. World dairy projections: Powders and casein

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>SKIM MILK POWDER</b>												
<b>World</b>												
Production	kt pw	4 541	4 593	4 718	4 817	4 918	5 015	5 110	5 206	5 300	5 393	5 488
Consumption	kt pw	4 486	4 594	4 717	4 816	4 918	5 015	5 110	5 206	5 300	5 393	5 489
Stock changes	kt pw	6	-1	0	1	0	0	0	0	0	-1	-1
Price <sup>1</sup>	USD/t	3 340	3 116	3 112	3 122	3 147	3 199	3 256	3 312	3 369	3 432	3 498
<b>Developed countries</b>												
Production	kt pw	3 807	3 802	3 905	3 985	4 068	4 148	4 224	4 302	4 378	4 453	4 530
Consumption	kt pw	1 673	1 652	1 680	1 691	1 706	1 721	1 733	1 747	1 761	1 772	1 786
<b>Developing countries</b>												
Production	kt pw	734	791	813	832	850	868	886	904	922	940	958
Consumption	kt pw	2 814	2 942	3 038	3 125	3 212	3 295	3 377	3 459	3 539	3 621	3 703
<b>OECD<sup>2</sup></b>												
Production	kt pw	3 632	3 655	3 761	3 845	3 929	4 009	4 087	4 166	4 244	4 319	4 398
Consumption	kt pw	1 858	1 843	1 867	1 876	1 893	1 910	1 923	1 939	1 955	1 968	1 985
Stock changes	kt pw	6	-1	0	1	0	0	0	0	0	-1	-1
<b>WHOLE MILK POWDER</b>												
<b>World</b>												
Production	kt pw	5 055	5 091	5 191	5 292	5 386	5 471	5 562	5 652	5 742	5 835	5 929
Consumption	kt pw	5 084	5 089	5 190	5 292	5 385	5 470	5 561	5 651	5 742	5 835	5 928
Stock changes	kt pw	-3	2	1	1	1	1	1	1	1	1	1
Price <sup>3</sup>	USD/t	3 554	3 344	3 380	3 426	3 478	3 537	3 598	3 667	3 736	3 813	3 890
<b>Developed countries</b>												
Production	kt pw	2 540	2 411	2 428	2 443	2 455	2 463	2 473	2 485	2 493	2 504	2 514
Consumption	kt pw	665	597	589	593	593	583	581	577	575	575	576
<b>Developing countries</b>												
Production	kt pw	2 515	2 680	2 763	2 849	2 931	3 008	3 088	3 167	3 249	3 332	3 415
Consumption	kt pw	4 419	4 493	4 601	4 699	4 792	4 887	4 980	5 074	5 167	5 260	5 352
<b>OECD<sup>2</sup></b>												
Production	kt pw	2 784	2 664	2 687	2 709	2 723	2 733	2 746	2 761	2 772	2 785	2 799
Consumption	kt pw	974	917	914	923	928	922	923	923	924	928	932
Stock changes	kt pw	-3	2	1	1	1	1	1	1	1	1	1
<b>WHEY POWDER</b>												
Price <sup>4</sup>	USD/t	1 143	1 003	1 014	1 025	1 032	1 047	1 061	1 078	1 093	1 108	1 124
<b>CASEIN</b>												
Price <sup>5</sup>	USD/t	9 234	9 279	8 971	8 914	8 983	9 122	9 263	9 406	9 551	9 697	9 847

Note: Calendar Year; except year ending 30 June for New Zealand in aggregates. Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. FOB export price, non-fat dry milk, 1.25% butterfat, Oceania.
2. Excludes Iceland and Costa Rica but includes all EU member countries.
3. FOB export price, WMP 26% butterfat, Oceania.
4. FOB export price, sweet whey non-hygroscopic, Western Europe.
5. Export price, New Zealand.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.7. World fish and seafood projections

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>FISH<sup>1</sup></b>												
<b>World</b>												
Production	kt	180 766	185 405	185 211	189 984	192 263	194 376	193 945	198 707	200 954	202 741	201 735
of which aquaculture	kt	90 606	94 715	96 456	98 285	99 667	101 645	103 623	105 489	107 508	109 110	110 734
Consumption	kt	182 809	187 655	187 361	192 034	194 213	196 246	195 715	200 377	202 524	204 241	203 135
of which for food	kt	159 784	164 846	166 365	169 151	171 320	173 332	174 656	177 360	179 546	181 257	181 979
of which for reduction	kt	17 694	17 649	15 886	17 822	17 881	17 958	16 157	18 170	18 186	18 246	16 473
<b>Price</b>												
Aquaculture <sup>2</sup>	USD/t	3 311.6	3 413.8	3 374.7	3 365.1	3 336.7	3 413.7	3 514.3	3 556.5	3 651.9	3 748.0	3 833.5
Capture <sup>3</sup>	USD/t	1 935.0	2 097.6	2 067.3	2 064.5	2 056.4	2 093.4	2 144.0	2 154.2	2 192.4	2 230.1	2 297.7
Product traded <sup>4</sup>	USD/t	3 284.1	3 575.2	3 483.9	3 483.2	3 462.0	3 543.1	3 644.9	3 676.1	3 761.6	3 848.0	3 937.5
<b>Developed countries</b>												
Production	kt	28 615	29 210	29 460	29 117	29 356	29 374	29 679	29 794	29 835	29 961	30 076
of which aquaculture	kt	5 178	5 417	5 480	5 563	5 628	5 674	5 723	5 799	5 875	5 949	6 017
Consumption	kt	37 124	37 631	37 661	37 740	38 000	38 068	38 365	38 535	38 707	38 922	39 100
of which for food	kt	31 278	31 762	31 702	31 799	32 020	32 056	32 243	32 377	32 553	32 733	32 798
of which for reduction	kt	5 082	5 129	5 217	5 196	5 232	5 265	5 377	5 415	5 413	5 450	5 565
<b>Developing countries</b>												
Production	kt	152 152	156 195	155 751	160 867	162 907	165 002	164 266	168 913	171 119	172 779	171 659
of which aquaculture	kt	85 428	89 298	90 977	92 722	94 039	95 970	97 900	99 690	101 633	103 161	104 717
Consumption	kt	145 685	150 024	149 700	154 294	156 213	158 178	157 350	161 842	163 817	165 319	164 035
of which for food	kt	128 506	133 083	134 663	137 353	139 301	141 276	142 413	144 982	146 993	148 524	149 181
of which for reduction	kt	12 612	12 520	10 669	12 626	12 650	12 692	10 780	12 756	12 773	12 796	10 908
<b>OECD<sup>5</sup></b>												
Production	kt	28 184	29 057	28 460	28 663	28 999	29 020	28 527	29 156	29 357	29 523	28 921
of which aquaculture	kt	7 471	7 822	7 885	7 928	8 026	8 108	8 188	8 186	8 322	8 442	8 558
Consumption	kt	38 569	39 176	38 698	39 200	39 497	39 564	39 382	39 948	40 150	40 373	40 062
of which for food	kt	32 394	33 045	32 950	33 082	33 341	33 382	33 514	33 655	33 855	34 053	34 038
of which for reduction	kt	5 272	5 402	5 013	5 378	5 411	5 437	5 123	5 548	5 550	5 576	5 279
<b>FISHMEAL<sup>6</sup></b>												
<b>World</b>												
Production	kt	5 157.8	5 254.4	4 874.6	5 409.6	5 482.0	5 546.2	5 139.4	5 684.4	5 733.4	5 782.5	5 361.7
from whole fish	kt	3 900.8	4 026.7	3 617.4	4 117.7	4 156.6	4 189.2	3 754.5	4 269.2	4 289.2	4 315.7	3 872.9
Consumption	kt	5 250.8	5 253.3	5 032.1	5 269.9	5 463.0	5 550.6	5 295.6	5 533.5	5 727.9	5 783.1	5 518.1
Variation in stocks	kt	-90.0	1.1	-157.5	139.7	19.0	-4.4	-156.1	150.9	5.5	-0.6	-156.4
Price <sup>7</sup>	USD/t	1 501.5	1 663.6	1 679.8	1 580.0	1 563.4	1 615.4	1 735.3	1 700.2	1 693.9	1 734.6	1 898.8
<b>Developed countries</b>												
Production	kt	1 685.7	1 706.1	1 747.4	1 765.0	1 795.7	1 816.0	1 854.2	1 874.6	1 883.5	1 901.1	1 936.7
from whole fish	kt	1 093.3	1 139.3	1 169.5	1 176.1	1 195.7	1 204.9	1 231.9	1 242.1	1 243.1	1 253.0	1 280.8
Consumption	kt	1 845.4	1 772.2	1 654.5	1 712.7	1 733.8	1 718.8	1 605.8	1 658.7	1 679.9	1 676.0	1 574.8
Variation in stocks	kt	-30.0	-3.9	-44.5	39.7	1.0	-4.4	-38.1	35.9	2.5	-0.6	-38.4
<b>Developing countries</b>												
Production	kt	3 472.1	3 548.3	3 127.2	3 644.6	3 686.3	3 730.2	3 285.2	3 809.7	3 849.9	3 881.4	3 425.0
from whole fish	kt	2 807.5	2 887.4	2 447.9	2 941.6	2 960.8	2 984.4	2 522.6	3 027.1	3 046.1	3 062.7	2 592.1
Consumption	kt	3 756.1	3 981.1	3 827.6	3 957.2	4 079.2	4 131.8	3 939.7	4 074.8	4 198.0	4 207.1	3 993.3
Variation in stocks	kt	-60.0	5.0	-113.0	100.0	18.0	0.0	-118.0	115.0	3.0	0.0	-118.0
<b>OECD<sup>5</sup></b>												
Production	kt	1 579.8	1 613.0	1 547.3	1 647.9	1 676.7	1 693.9	1 637.0	1 741.2	1 749.8	1 763.8	1 707.3
from whole fish	kt	1 096.5	1 179.7	1 104.7	1 196.0	1 215.5	1 223.3	1 156.9	1 252.6	1 255.2	1 263.2	1 200.8
Consumption	kt	1 864.3	1 946.7	1 807.8	1 866.2	1 900.6	1 895.0	1 774.1	1 819.6	1 852.2	1 857.0	1 754.3
Variation in stocks	kt	-35.0	-8.9	-49.5	44.7	6.0	-4.4	-43.1	40.9	2.5	-0.6	-43.4

## ANNEX C

**Table C.7. World fish and seafood projections (cont.)**

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>FISH OIL<sup>6</sup></b>												
<b>World</b>												
Production	kt	1 188.9	1 247.5	1 201.3	1 291.0	1 307.9	1 325.4	1 267.3	1 361.6	1 371.3	1 382.7	1 315.5
from whole fish	kt	577.8	629.0	575.9	659.0	669.4	680.4	615.8	703.4	706.4	711.1	637.4
Consumption	kt	1 180.0	1 249.4	1 259.5	1 236.7	1 306.4	1 327.3	1 321.2	1 316.0	1 366.6	1 383.6	1 368.8
Variation in stocks	kt	8.9	-1.9	-58.2	54.3	1.5	-1.9	-53.9	45.5	4.6	-0.9	-53.3
Price <sup>8</sup>	USD/t	2 367.0	2 268.9	2 250.1	2 173.4	2 150.2	2 209.1	2 298.5	2 407.5	2 413.7	2 473.5	2 585.7
<b>Developed countries</b>												
Production	kt	490.5	517.7	528.2	532.4	537.3	542.0	550.3	554.7	557.4	561.8	569.3
from whole fish	kt	181.1	197.3	204.1	204.6	206.1	207.5	212.2	213.0	212.2	212.9	217.0
Consumption	kt	631.2	690.2	692.8	671.1	697.3	705.0	705.0	695.9	712.1	717.7	714.2
Variation in stocks	kt	8.4	-6.9	-26.2	22.3	-3.5	-1.9	-21.9	18.5	-0.4	-0.9	-21.3
<b>Developing countries</b>												
Production	kt	699.3	729.8	673.1	758.7	770.6	783.4	717.1	806.9	813.9	820.9	746.2
from whole fish	kt	397.6	431.7	371.9	454.4	463.3	472.9	403.6	490.3	494.2	498.2	420.5
Consumption	kt	512.4	559.3	566.7	565.7	609.0	622.4	616.2	620.1	654.5	665.8	654.6
Variation in stocks	kt	0.5	5.0	-32.0	32.0	5.0	0.0	-32.0	27.0	5.0	0.0	-32.0
<b>OECD<sup>5</sup></b>												
Production	kt	698.8	730.7	720.8	741.7	746.3	750.4	739.7	761.5	764.8	769.1	759.3
from whole fish	kt	202.3	226.3	211.9	228.5	228.8	228.8	213.9	231.3	230.3	230.2	216.2
Consumption	kt	873.1	961.1	968.6	937.9	993.0	1 006.0	999.3	988.0	1 027.6	1 040.1	1 029.3
Variation in stocks	kt	15.0	-11.9	-31.2	27.3	1.5	-1.9	-26.9	18.5	4.6	-0.9	-26.3

Note: The term "fish" indicates fish, crustaceans, molluscs and other aquatic animals, but excludes aquatic mammals, crocodiles, caimans, alligators and aquatic plants. Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. Data are in live weight equivalent.
2. World unit value of aquaculture fisheries production (live weight basis).
3. FAO estimated value of world ex vessel value of capture fisheries production excluding for reduction.
4. World unit value of trade (sum of exports and imports).
5. Excludes Costa Rica.
6. Data are in product weight.
7. Fishmeal, 64-65% protein, Hamburg, Germany.
8. Fish oil, any origin, N.W. Europe.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.8. World biofuel projections

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ETHANOL</b>												
<b>World</b>												
Production	bln L	124.3	133.5	136.3	138.2	140.4	142.2	144.2	145.9	147.6	149.3	150.9
Consumption	bln L	124.4	133.5	136.2	138.4	140.6	142.5	144.4	146.2	147.8	149.4	151.0
Exports	bln L	10.2	10.5	10.7	10.8	10.9	11.1	11.2	11.4	11.6	11.7	11.9
Price <sup>1</sup>	USD/hl	57.9	56.8	52.3	52.8	53.4	53.9	54.3	54.9	55.5	56.2	56.8
<b>Developed countries</b>												
Production	bln L	68.5	71.0	71.3	71.4	71.7	71.9	72.2	72.4	72.7	73.0	73.3
Consumption	bln L	68.1	70.6	70.6	70.7	71.0	71.3	71.7	71.9	72.1	72.4	72.6
Net trade	bln L	0.0	0.5	0.7	0.9	0.9	0.9	0.8	0.7	0.7	0.8	0.8
<b>Developing countries</b>												
Production	bln L	55.8	62.5	65.0	66.8	68.7	70.3	72.0	73.5	74.9	76.3	77.6
Consumption	bln L	56.2	62.9	65.7	67.7	69.6	71.2	72.8	74.2	75.7	77.1	78.4
Net trade	bln L	-0.7	-0.5	-0.7	-0.9	-0.9	-0.9	-0.8	-0.7	-0.7	-0.8	-0.8
<b>OECD<sup>2</sup></b>												
Production	bln L	68.2	70.7	71.0	71.2	71.5	71.7	72.0	72.3	72.6	72.9	73.2
Consumption	bln L	69.4	71.8	71.8	72.0	72.4	72.6	73.0	73.3	73.5	73.7	74.0
Net trade	bln L	-1.6	-1.1	-0.9	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.7	-0.7
<b>BIODIESEL</b>												
<b>World</b>												
Production	bln L	53.6	58.6	60.6	61.4	62.2	62.9	63.8	64.5	65.2	66.0	66.9
Consumption	bln L	54.4	58.6	60.7	61.4	62.3	63.0	63.8	64.5	65.3	66.0	66.9
Exports	bln L	6.9	7.0	6.9	6.9	6.8	6.8	6.9	7.0	7.1	7.2	7.3
Price <sup>3</sup>	USD/hl	140.8	150.5	129.9	134.7	137.5	141.1	144.2	146.7	149.7	152.8	156.1
<b>Developed countries</b>												
Production	bln L	28.1	30.5	31.9	32.3	32.8	33.3	33.7	34.0	34.2	34.5	35.0
Consumption	bln L	32.7	35.1	36.3	36.6	37.0	37.4	37.8	38.1	38.4	38.7	39.1
Net trade	bln L	-5.1	-4.5	-4.4	-4.2	-4.1	-4.0	-4.0	-4.1	-4.1	-4.1	-4.1
<b>Developing countries</b>												
Production	bln L	25.5	28.1	28.7	29.1	29.4	29.6	30.1	30.5	31.0	31.4	31.9
Consumption	bln L	21.6	23.6	24.3	24.9	25.3	25.5	26.0	26.5	26.9	27.3	27.8
Net trade	bln L	3.8	4.5	4.4	4.2	4.1	4.0	4.0	4.1	4.1	4.1	4.1
<b>OECD<sup>2</sup></b>												
Production	bln L	29.5	31.9	33.3	33.7	34.2	34.8	35.1	35.4	35.7	36.0	36.5
Consumption	bln L	34.1	36.5	37.7	38.0	38.4	38.8	39.2	39.5	39.8	40.1	40.6
Net trade	bln L	-5.0	-4.5	-4.3	-4.2	-4.1	-4.0	-4.0	-4.1	-4.1	-4.1	-4.1

Note: Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. Wholesale price, United States, Omaha.
2. Excludes Iceland and Costa Rica but includes all EU member countries.
3. Producer price Germany net of biodiesel tariff and energy tax.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.9. World cotton projections

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>WORLD</b>												
Production	Mt	25.1	23.9	24.3	25.0	25.3	25.8	26.3	26.7	27.2	27.7	28.2
Area	Mha	32.2	32.3	32.3	32.5	32.6	32.7	32.8	33.0	33.1	33.3	33.4
Yield	t/ha	0.78	0.74	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84
Consumption <sup>1</sup>	Mt	24.4	23.8	24.4	25.0	25.5	25.9	26.4	26.8	27.2	27.7	28.1
Exports	Mt	9.7	9.0	9.3	9.6	9.8	10.0	10.3	10.5	10.7	11.0	11.2
Closing stocks	Mt	21.2	21.9	22.1	22.3	22.4	22.5	22.6	22.8	23.0	23.3	23.6
Price <sup>2</sup>	USD/t	2 407.7	2 219.1	2 127.8	2 079.1	2 090.5	2 132.2	2 144.3	2 167.8	2 190.9	2 203.0	2 208.3
<b>DEVELOPED COUNTRIES</b>												
Production	Mt	5.9	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5
Consumption	Mt	1.6	1.5	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Exports	Mt	4.6	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0
Imports	Mt	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Closing stocks	Mt	2.3	2.4	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7
<b>DEVELOPING COUNTRIES</b>												
Production	Mt	19.2	18.3	18.6	19.1	19.4	19.8	20.2	20.5	20.9	21.3	21.6
Consumption	Mt	22.8	22.3	22.8	23.3	23.8	24.2	24.7	25.1	25.5	25.9	26.3
Exports	Mt	5.1	4.6	4.8	5.1	5.2	5.4	5.5	5.7	5.8	6.0	6.1
Imports	Mt	9.5	8.9	9.1	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.1
Closing stocks	Mt	18.9	19.5	19.6	19.8	19.8	19.9	20.0	20.2	20.3	20.6	20.8
<b>OECD<sup>3</sup></b>												
Production	Mt	5.6	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.5	6.6
Consumption	Mt	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.4
Exports	Mt	4.4	4.4	4.5	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
Imports	Mt	2.0	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
Closing stocks	Mt	3.9	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. Prices are in nominal terms.

1. Consumption for cotton means mill consumption and not final consumer demand.
2. Cotlook A index, Middling 1 1/8", c.f.r. far Eastern ports (August/July).
3. Excludes Iceland and Costa Rica but includes all EU member countries.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.10. Economic assumptions

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>REAL GDP<sup>1</sup></b>												
Australia	%	2.2	1.9	1.6	2.0	2.2	2.3	2.3	2.3	2.3	2.3	2.3
Canada	%	0.9	1.0	1.3	2.3	1.9	1.7	1.7	1.7	1.7	1.7	1.7
Chile	%	2.6	-1.0	2.0	2.3	2.4	2.5	2.1	2.1	2.0	2.0	1.9
European Union	%	0.7	0.8	1.7	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Japan	%	-0.5	1.8	0.9	0.9	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Korea	%	2.1	1.8	1.9	2.6	2.5	2.3	2.3	2.3	2.3	2.3	2.3
Mexico	%	-0.2	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
New Zealand	%	2.0	1.0	1.2	2.2	2.3	2.4	2.4	2.4	2.4	2.4	2.4
Norway	%	1.9	1.8	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Switzerland	%	1.3	0.6	1.4	1.2	1.8	1.2	1.2	1.2	1.2	1.2	1.2
Türkiye	%	6.1	3.0	3.0	3.0	3.0	3.0	2.4	2.5	2.6	2.7	2.7
United Kingdom	%	0.3	-0.4	0.2	2.3	2.2	1.5	1.5	1.5	1.5	1.5	1.5
United States	%	1.7	0.5	1.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Brazil	%	1.2	1.2	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
China	%	4.5	4.6	4.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Egypt	%	4.5	4.4	5.2	5.6	5.8	5.9	5.5	5.2	5.0	4.7	4.5
India	%	3.0	6.1	6.8	6.8	6.5	6.2	5.8	5.5	5.2	5.0	4.7
Indonesia	%	2.3	5.0	5.4	5.3	5.2	5.1	4.9	4.6	4.4	4.2	4.1
Iran	%	3.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Malaysia	%	1.0	4.4	4.9	4.4	4.4	3.9	3.8	3.7	3.5	3.4	3.3
Pakistan	%	3.6	3.5	4.2	4.6	5.0	5.0	4.8	4.5	4.3	4.2	4.0
Russia	%	-0.6	-5.6	-0.2	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
Saudi Arabia	%	2.2	3.7	2.9	2.9	2.9	3.0	2.9	2.9	2.8	2.7	2.6
South Africa	%	0.2	1.1	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
Ukraine	%	1.0	3.4	3.8	4.0	4.0	3.8	3.7	3.6	3.4	3.3	3.2
OECD <sup>2,3</sup>	%	1.4	1.0	1.4	1.8	1.8	1.7	1.6	1.6	1.7	1.7	1.7
<b>PCE DEFLATOR<sup>1</sup></b>												
Australia	%	2.4	4.3	2.5	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Canada	%	3.0	3.9	2.4	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
Chile	%	6.4	8.7	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
European Union	%	3.5	4.3	1.9	2.1	2.0	2.1	2.2	2.1	2.1	2.0	2.0
Japan	%	0.7	2.0	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Korea	%	2.5	3.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Mexico	%	6.6	5.6	3.2	3.3	3.1	3.0	3.0	3.0	3.0	3.0	3.0
New Zealand	%	3.5	4.8	2.8	2.5	2.3	2.1	2.1	2.1	2.1	2.1	2.1
Norway	%	3.1	4.4	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Switzerland	%	0.6	2.0	1.4	1.3	1.0	1.0	0.9	0.8	0.7	0.6	0.5
Türkiye	%	35.0	51.2	24.2	17.2	15.4	15.0	7.0	5.6	5.3	5.3	5.3
United Kingdom	%	3.8	6.1	2.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
United States	%	3.8	3.5	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Brazil	%	7.3	4.7	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
China	%	1.8	2.2	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Egypt	%	6.2	12.0	8.0	7.1	7.0	7.0	6.5	6.1	5.8	5.5	5.2
India	%	6.2	5.1	4.4	4.1	4.0	4.0	3.8	3.7	3.6	3.4	3.3
Indonesia	%	2.7	5.5	3.2	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.6
Iran	%	3.8	3.0	2.5	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Malaysia	%	1.5	2.8	2.4	2.4	2.4	2.5	2.4	2.4	2.3	2.2	2.2
Pakistan	%	10.6	19.9	10.0	7.7	6.5	6.5	6.1	5.8	5.4	5.2	4.9
Russia	%	7.9	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Saudi Arabia	%	3.1	2.2	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
South Africa	%	4.9	5.1	4.7	4.5	4.5	4.5	4.3	4.1	4.0	3.8	3.7
Ukraine	%	6.5	5.8	5.2	5.0	5.0	4.7	4.5	4.3	4.2	4.0	3.8
OECD <sup>2,3</sup>	%	6.5	11.2	6.9	5.7	5.6	5.8	3.6	3.2	3.1	3.1	3.2

## ANNEX C

**Table C.10. Economic assumptions (cont.)**

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>GDP DEFLATOR<sup>1</sup></b>												
Australia	%	2.9	1.9	1.2	2.6	2.4	2.5	2.5	2.5	2.5	2.5	2.5
Canada	%	3.7	1.9	1.8	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Chile	%	8.2	8.5	3.4	3.3	2.8	2.8	2.9	2.9	3.0	3.1	3.1
European Union	%	3.8	4.3	2.3	1.8	2.0	1.9	2.0	1.9	1.8	1.8	1.7
Japan	%	0.3	0.7	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Korea	%	1.5	0.8	2.3	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Mexico	%	4.6	3.2	3.7	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0
New Zealand	%	2.9	2.5	3.6	3.8	3.4	3.1	3.1	3.1	3.1	3.1	3.1
Norway	%	5.7	1.3	0.1	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
Switzerland	%	0.7	1.0	1.4	1.5	1.4	1.4	1.1	1.1	1.1	1.1	1.1
Türkiye	%	43.9	51.0	24.9	17.1	15.1	14.7	5.5	5.3	5.0	4.9	4.9
United Kingdom	%	3.0	2.2	3.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
United States	%	3.0	2.4	2.5	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Brazil	%	7.4	3.6	4.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
China	%	2.2	1.4	2.2	2.1	2.0	2.2	2.2	2.2	2.2	2.2	2.2
Egypt	%	6.7	13.1	8.2	7.4	7.1	7.1	6.6	6.2	5.9	5.5	5.2
India	%	7.9	5.9	4.6	4.4	4.2	4.2	4.0	3.9	3.7	3.6	3.5
Indonesia	%	3.9	5.5	3.2	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.6
Iran	%	3.8	3.0	2.5	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Malaysia	%	2.9	2.8	2.6	2.8	2.6	2.7	2.6	2.5	2.5	2.4	2.4
Pakistan	%	11.3	20.8	10.2	7.8	6.5	6.4	6.0	5.7	5.4	5.1	4.9
Russia	%	6.8	5.0	2.1	2.4	3.5	3.7	3.7	3.7	3.7	3.7	3.7
Saudi Arabia	%	6.3	-4.9	-0.9	-0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
South Africa	%	5.6	3.7	4.6	4.6	4.6	4.6	4.4	4.2	4.1	3.9	3.8
Ukraine	%	11.0	6.7	5.6	5.3	5.0	4.8	4.5	4.3	4.2	4.0	3.8
OECD <sup>3</sup>	%	7.1	11.2	7.6	6.1	5.9	6.1	3.2	3.1	3.0	3.0	3.0
<b>WORLD INPUT PRICES</b>												
Brent crude oil <sup>4</sup>	USD/barrel	70.2	81.7	83.7	85.4	87.1	88.8	90.5	92.3	94.1	96.0	97.9
Fertiliser <sup>5</sup>	USD/t	129.5	159.6	105.2	108.5	109.9	112.1	114.2	116.7	119.2	121.6	123.9
<b>EXCHANGE RATES</b>												
Australia	AUD/USD	1.41	1.57	1.57	1.58	1.58	1.59	1.60	1.60	1.61	1.62	1.62
Canada	CAD/USD	1.30	1.37	1.37	1.37	1.36	1.35	1.34	1.33	1.32	1.31	1.30
Chile	CLP/USD	801.47	819.78	837.60	847.30	856.30	864.44	872.58	880.72	888.85	896.99	905.13
European Union	EUR/USD	0.89	1.02	1.02	1.02	1.01	1.01	1.00	0.99	0.99	0.98	0.97
Japan	JPY/USD	116.47	147.33	147.33	141.63	137.01	133.62	130.32	127.10	123.97	120.90	117.92
Korea	KRW/USD	1 210.62	1 422.10	1 422.10	1 422.81	1 423.27	1 423.28	1 423.30	1 423.31	1 423.32	1 423.33	1 423.34
Mexico	MXN/USD	20.57	19.64	19.64	19.92	20.14	20.33	20.53	20.73	20.93	21.13	21.33
New Zealand	NZD/USD	1.52	1.73	1.73	1.75	1.76	1.77	1.78	1.78	1.79	1.80	1.80
Brazil	BRL/USD	5.23	5.13	5.13	5.14	5.15	5.15	5.15	5.14	5.14	5.14	5.14
China	CNY/USD	6.71	7.30	7.30	7.31	7.30	7.29	7.28	7.26	7.25	7.24	7.23
Egypt	EGP/USD	16.11	19.38	20.35	21.12	21.95	22.81	23.68	24.55	25.41	26.28	27.15
India	INR/USD	75.84	80.39	82.28	84.11	85.81	87.54	89.27	91.00	92.73	94.46	96.19
Indonesia	'000 IDR/USD	14.52	15.14	15.17	15.21	15.27	15.33	15.39	15.44	15.50	15.56	15.62
Malaysia	MYR/USD	4.08	3.88	3.88	3.88	3.89	3.90	3.90	3.91	3.91	3.92	3.92
Pakistan	PKR/USD	165.43	195.42	213.02	230.62	248.22	265.81	283.41	301.01	318.61	336.20	353.80
Russia	RUB/USD	71.89	62.28	62.28	64.06	65.73	67.37	69.05	70.76	72.52	74.33	76.18
Saudi Arabia	SAR/USD	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75
South Africa	ZAR/USD	15.78	16.44	16.76	17.12	17.51	17.89	18.28	18.67	19.06	19.45	19.83
Ukraine	UAH/USD	27.31	27.66	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80
United Kingdom	GBP/USD	0.78	0.89	0.89	0.88	0.87	0.85	0.83	0.82	0.80	0.79	0.77

## ANNEX C

**Table C.10. Economic assumptions (cont.)**

Calendar year

		2022est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>POPULATION<sup>1</sup></b>												
Australia	%	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
Canada	%	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
Chile	%	0.5	0.0	-0.1	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.4
European Union	%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
Japan	%	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
Korea	%	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3
Mexico	%	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
New Zealand	%	1.4	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
Norway	%	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
Switzerland	%	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
Türkiye	%	0.8	0.5	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
United Kingdom	%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
United States	%	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Argentina	%	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Brazil	%	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
China	%	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
Egypt	%	1.9	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
India	%	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7
Indonesia	%	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7
Iran	%	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
Malaysia	%	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8
Pakistan	%	2.0	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5
Russia	%	-0.4	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
Saudi Arabia	%	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0	0.9
South Africa	%	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9
Ukraine	%	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
OECD <sup>3</sup>	%	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
World	%	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>PER CAPITA GDP in constant 2010 US dollars<sup>1</sup></b>												
Australia	%	1.2	0.9	0.7	1.0	1.2	1.3	1.4	1.4	1.4	1.4	1.5
Canada	%	0.0	0.2	0.5	1.5	1.1	0.9	0.9	0.9	0.9	0.9	1.0
Chile	%	2.0	-0.9	2.0	2.3	2.3	2.4	1.9	1.8	1.7	1.6	1.5
European Union	%	0.7	0.5	2.2	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.6
Japan	%	0.0	2.4	1.4	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Korea	%	2.1	1.8	2.0	2.7	2.6	2.5	2.5	2.5	2.5	2.6	2.6
Mexico	%	-0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5
New Zealand	%	0.5	0.2	0.4	1.4	1.5	1.6	1.7	1.7	1.7	1.7	1.8
Norway	%	1.3	1.1	0.8	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.7
Switzerland	%	0.6	0.0	0.8	0.6	1.2	0.6	0.7	0.7	0.7	0.7	0.8
Türkiye	%	5.2	2.6	2.6	2.5	2.5	2.5	1.8	1.9	2.0	2.1	2.1
United Kingdom	%	-0.1	-0.7	-0.1	2.0	1.9	1.2	1.2	1.2	1.2	1.2	1.3
United States	%	1.3	0.0	0.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Brazil	%	0.6	0.7	0.8	1.5	1.4	1.5	1.5	1.5	1.6	1.6	1.6
China	%	4.4	4.6	4.2	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8
Egypt	%	2.5	2.6	3.4	3.8	4.1	4.2	3.9	3.6	3.4	3.2	3.0
India	%	2.0	5.1	5.9	5.8	5.6	5.3	5.0	4.7	4.4	4.2	4.0
Indonesia	%	1.3	4.0	4.4	4.4	4.3	4.2	4.0	3.8	3.6	3.5	3.3
Iran	%	2.4	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3
Malaysia	%	-0.3	3.1	3.7	3.3	3.3	2.9	2.8	2.7	2.6	2.5	2.4
Pakistan	%	1.6	1.6	2.3	2.8	3.2	3.2	3.1	2.9	2.7	2.6	2.5
Russia	%	-0.4	-5.4	0.1	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0
Saudi Arabia	%	0.7	2.3	1.6	1.6	1.7	1.9	1.8	1.8	1.8	1.7	1.7
South Africa	%	-1.0	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Ukraine	%	1.6	4.1	4.5	4.7	4.7	4.6	4.4	4.3	4.2	4.1	4.0
OECD <sup>3</sup>	%	0.9	0.6	1.0	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3



## ANNEX C

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Note: For OECD member countries, as well as Brazil, China and Russia, historical data for real GDP, private consumption expenditure deflator and GDP deflator were obtained from the OECD Economic Outlook No. 112, December 2022. For other economies, historical macroeconomic data were obtained from the IMF, World Economic Outlook, October 2022. Assumptions for the projection period draw on the historical update of the OECD Economics Department, projections of the IMF, and for population, projections from the United Nations World Population Prospects Database, (medium variant). Data for the European Union are euro area aggregates except for population. The price index used is the private consumption expenditure deflator. Average 2020-22est and 2022est: Data for 2022 are estimated.

1. Annual per cent change.
2. Annual weighted average real GDP and CPI growth rates in OECD countries are based on weights using purchasing power parities (PPPs).
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Short-term update for crude oil price from the OECD Economic Outlook N°112 (December 2022). For 2022, the annual average daily spot price is used and the December 2022 average spot price is used for 2023. The oil prices are constant in real term during the projection period.
5. World Bank. Data for 2022 are estimated, projections by OECD and FAO Secretariats.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.11. World prices

Nominal price

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>CEREALS</b>												
Wheat <sup>1</sup>	USD/t	339.2	315.5	272.8	263.2	268.0	271.5	276.1	281.4	285.5	289.2	293.9
Maize <sup>2</sup>	USD/t	274.2	258.1	211.4	204.7	208.0	210.9	214.7	217.7	220.6	223.4	226.7
Other coarse grains <sup>3</sup>	USD/t	288.3	264.8	237.3	226.8	228.7	234.1	239.2	243.8	247.6	250.9	254.9
Rice <sup>4</sup>	USD/t	412.8	435.4	425.8	418.1	425.0	429.8	436.8	442.2	447.5	453.0	458.6
Distiller's dry grains <sup>5</sup>	USD/t	207.7	215.4	168.1	154.7	157.3	159.7	162.4	164.8	167.1	169.3	171.8
<b>OILSEEDS</b>												
Soybean <sup>6</sup>	USD/t	592.5	539.3	501.1	495.7	508.8	518.2	524.1	532.7	540.3	548.7	556.3
Other oilseeds <sup>7</sup>	USD/t	672.0	568.3	550.5	556.9	579.0	593.7	601.3	614.9	627.2	641.0	652.8
Protein meals <sup>8</sup>	USD/t	466.8	447.7	408.9	404.7	411.0	416.4	420.8	425.7	430.0	434.6	439.4
Vegetable oils <sup>9</sup>	USD/t	1 314.7	1 091.2	1 087.8	1 109.8	1 146.2	1 173.2	1 194.2	1 220.2	1 246.6	1 275.8	1 304.4
<b>SWEETENERS</b>												
Raw sugar <sup>10</sup>	USD/t	399.4	400.6	356.3	332.0	326.2	327.0	334.6	340.6	345.2	347.4	346.8
Refined sugar <sup>11</sup>	USD/t	500.5	520.4	473.7	446.2	440.4	444.1	450.3	459.5	466.2	470.1	471.4
Molasses <sup>12</sup>	USD/t	217.5	199.0	166.1	160.2	167.9	174.5	179.2	180.7	182.1	183.4	185.0
<b>MEAT</b>												
Beef and Veal <sup>13</sup>	USD/t	5 277.7	5 650.8	5 331.5	5 303.6	5 423.4	5 531.6	5 638.5	5 755.8	5 864.6	5 981.0	6 098.0
Pigmeat <sup>14</sup>	USD/t	2 728.8	2 754.6	2 732.9	2 731.5	2 765.7	2 797.3	2 835.3	2 874.5	2 906.0	2 944.9	2 980.0
Poultry meat <sup>15</sup>	USD/t	1 672.8	1 826.2	1 721.5	1 713.9	1 725.4	1 749.1	1 775.8	1 801.5	1 824.9	1 848.4	1 874.2
Sheepmeat <sup>16</sup>	USD/t	5 273.2	5 104.8	4 920.9	4 996.8	5 102.7	5 204.6	5 307.4	5 407.4	5 509.6	5 613.1	5 709.8
<b>FISH AND SEAFOOD</b>												
Product traded <sup>17</sup>	USD/t	3 284.1	3 575.2	3 483.9	3 483.2	3 462.0	3 543.1	3 644.9	3 676.1	3 761.6	3 848.0	3 937.5
Aquaculture <sup>18</sup>	USD/t	3 311.6	3 413.8	3 374.7	3 365.1	3 336.7	3 413.7	3 514.3	3 556.5	3 651.9	3 748.0	3 833.5
Capture <sup>19</sup>	USD/t	1 935.0	2 097.6	2 067.3	2 064.5	2 056.4	2 093.4	2 144.0	2 154.2	2 192.4	2 230.1	2 297.7
Meal <sup>20</sup>	USD/t	1 501.5	1 663.6	1 679.8	1 580.0	1 563.4	1 615.4	1 735.3	1 700.2	1 693.9	1 734.6	1 898.8
Oil <sup>21</sup>	USD/t	2 367.0	2 268.9	2 250.1	2 173.4	2 150.2	2 209.1	2 298.5	2 407.5	2 413.7	2 473.5	2 585.7
<b>DAIRY PRODUCTS</b>												
Butter <sup>22</sup>	USD/t	4 925.0	4 636.7	4 765.1	4 866.3	5 027.0	5 129.8	5 212.9	5 336.1	5 432.7	5 557.2	5 673.0
Cheese <sup>23</sup>	USD/t	4 610.6	4 589.7	4 658.0	4 718.8	4 807.6	4 891.6	4 960.5	5 046.1	5 123.0	5 210.8	5 300.0
Skim milk powder <sup>24</sup>	USD/t	3 340.1	3 115.6	3 112.0	3 122.2	3 147.2	3 199.0	3 256.4	3 312.1	3 368.7	3 432.3	3 497.6
Whole milk powder <sup>25</sup>	USD/t	3 554.2	3 343.9	3 380.3	3 425.8	3 478.3	3 536.9	3 598.0	3 667.3	3 735.6	3 813.2	3 890.5
Whey powder <sup>26</sup>	USD/t	1 143.1	1 002.5	1 014.2	1 024.5	1 032.5	1 046.7	1 061.5	1 078.0	1 093.1	1 108.5	1 124.2
Casein <sup>27</sup>	USD/t	9 233.9	9 278.6	8 970.9	8 914.0	8 983.0	9 122.2	9 263.2	9 406.0	9 550.7	9 697.3	9 847.2
<b>BIOFUEL</b>												
Ethanol <sup>28</sup>	USD/hl	57.9	56.8	52.3	52.8	53.4	53.9	54.3	54.9	55.5	56.2	56.8
Biodiesel <sup>29</sup>	USD/hl	140.8	150.5	129.9	134.7	137.5	141.1	144.2	146.7	149.7	152.8	156.1
<b>COTTON</b>												
Cotton <sup>30</sup>	USD/t	2 407.7	2 219.1	2 127.8	2 079.1	2 090.5	2 132.2	2 144.3	2 167.8	2 190.9	2 203.0	2 208.3
<b>ROOTS AND TUBERS</b>												
Roots and tubers <sup>31</sup>	USD/t	440.7	448.5	462.7	468.4	479.3	483.9	492.7	499.0	506.5	513.1	520.5
<b>USA GDP Deflator (2022=1)</b>	<b>Index</b>	<b>0.964</b>	<b>1.024</b>	<b>1.049</b>	<b>1.071</b>	<b>1.092</b>	<b>1.113</b>	<b>1.135</b>	<b>1.157</b>	<b>1.180</b>	<b>1.203</b>	<b>1.227</b>

## ANNEX C

**Table C.11. World prices (cont.)**

Real price

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>CEREALS</b>												
Wheat <sup>1</sup>	USD/t	350.9	308.2	260.1	245.9	245.5	243.9	243.3	243.2	242.0	240.4	239.6
Maize <sup>2</sup>	USD/t	284.1	252.1	201.5	191.2	190.6	189.5	189.2	188.2	187.0	185.7	184.8
Other coarse grains <sup>3</sup>	USD/t	298.4	258.7	226.2	211.9	209.5	210.3	210.7	210.6	209.8	208.5	207.8
Rice <sup>4</sup>	USD/t	428.8	425.3	406.0	390.6	389.4	386.2	384.9	382.1	379.2	376.5	373.8
Distiller's dry grains <sup>5</sup>	USD/t	214.8	210.4	160.2	144.5	144.1	143.5	143.1	142.4	141.6	140.7	140.0
<b>OILSEEDS</b>												
Soybean <sup>6</sup>	USD/t	615.1	526.7	477.8	463.1	466.1	465.6	461.8	460.3	457.9	456.0	453.4
Other oilseeds <sup>7</sup>	USD/t	697.7	555.2	524.8	520.3	530.5	533.5	529.8	531.4	531.5	532.7	532.1
Protein meals <sup>8</sup>	USD/t	484.4	437.3	389.8	378.1	376.6	374.1	370.8	367.9	364.4	361.2	358.2
Vegetable oils <sup>9</sup>	USD/t	1 365.8	1 065.9	1 037.0	1 036.7	1 050.1	1 054.1	1 052.3	1 054.4	1 056.4	1 060.3	1 063.2
<b>SWEETENERS</b>												
Raw sugar <sup>10</sup>	USD/t	414.1	391.3	339.7	310.2	298.8	293.8	294.9	294.3	292.5	288.7	282.7
Refined sugar <sup>11</sup>	USD/t	518.7	508.3	451.6	416.8	403.5	399.0	396.8	397.1	395.1	390.8	384.2
Molasses <sup>12</sup>	USD/t	225.1	194.4	158.3	149.7	153.8	156.8	157.9	156.2	154.3	152.4	150.8
<b>MEAT</b>												
Beef and Veal <sup>13</sup>	USD/t	5 466.7	5 519.7	5 082.7	4 954.5	4 968.7	4 970.1	4 968.4	4 973.9	4 970.2	4 971.1	4 970.6
Pigmeat <sup>14</sup>	USD/t	2 830.2	2 690.7	2 605.4	2 551.7	2 533.9	2 513.3	2 498.3	2 484.0	2 462.8	2 447.6	2 429.0
Poultry meat <sup>15</sup>	USD/t	1 729.8	1 783.8	1 641.2	1 601.1	1 580.8	1 571.6	1 564.7	1 556.7	1 546.6	1 536.3	1 527.7
Sheepmeat <sup>16</sup>	USD/t	5 462.5	4 986.3	4 691.3	4 667.9	4 674.9	4 676.2	4 676.6	4 672.9	4 669.3	4 665.3	4 654.1
<b>FISH AND SEAFOOD</b>												
Product traded <sup>17</sup>	USD/t	3 401.9	3 492.3	3 321.4	3 254.0	3 171.8	3 183.4	3 211.7	3 176.7	3 187.9	3 198.2	3 209.5
Aquaculture <sup>18</sup>	USD/t	3 432.4	3 334.6	3 217.2	3 143.6	3 057.0	3 067.2	3 096.7	3 073.4	3 095.0	3 115.1	3 124.7
Capture <sup>19</sup>	USD/t	2 006.0	2 049.0	1 970.8	1 928.6	1 884.0	1 880.9	1 889.2	1 861.6	1 858.0	1 853.5	1 872.9
Meal <sup>20</sup>	USD/t	1 557.4	1 625.0	1 601.5	1 476.0	1 432.3	1 451.4	1 529.1	1 469.3	1 435.5	1 441.7	1 547.7
Oil <sup>21</sup>	USD/t	2 444.8	2 216.3	2 145.1	2 030.3	1 969.9	1 984.9	2 025.3	2 080.4	2 045.6	2 055.8	2 107.7
<b>DAIRY PRODUCTS</b>												
Butter <sup>22</sup>	USD/t	5 089.3	4 529.1	4 542.7	4 546.0	4 605.6	4 609.1	4 593.3	4 611.2	4 604.2	4 618.8	4 624.1
Cheese <sup>23</sup>	USD/t	4 769.0	4 483.2	4 440.6	4 408.2	4 404.6	4 395.1	4 370.9	4 360.6	4 341.7	4 330.9	4 320.1
Skim milk powder <sup>24</sup>	USD/t	3 454.9	3 043.3	2 966.8	2 916.7	2 883.4	2 874.3	2 869.4	2 862.2	2 854.9	2 852.7	2 850.9
Whole milk powder <sup>25</sup>	USD/t	3 678.9	3 266.3	3 222.6	3 200.3	3 186.7	3 177.9	3 170.4	3 169.1	3 165.9	3 169.3	3 171.2
Whey powder <sup>26</sup>	USD/t	1 181.2	979.3	966.9	957.1	945.9	940.5	935.3	931.6	926.4	921.3	916.4
Casein <sup>27</sup>	USD/t	9 535.7	9 063.3	8 552.3	8 327.3	8 229.9	8 196.2	8 162.3	8 128.3	8 094.1	8 059.8	8 026.5
<b>BIOFUEL</b>												
Ethanol <sup>28</sup>	USD/hl	59.7	55.5	49.8	49.3	48.9	48.5	47.9	47.4	47.1	46.7	46.3
Biodiesel <sup>29</sup>	USD/hl	144.8	147.0	123.8	125.8	125.9	126.7	127.0	126.8	126.9	127.0	127.2
<b>COTTON</b>												
Cotton <sup>30</sup>	USD/t	2 492.8	2 167.6	2 028.5	1 942.2	1 915.2	1 915.8	1 889.4	1 873.3	1 856.8	1 831.0	1 800.0
<b>ROOTS AND TUBERS</b>												
Roots and tubers <sup>31</sup>	USD/t	456.9	438.1	441.1	437.6	439.1	434.7	434.1	431.2	429.3	426.4	424.2

## ANNEX C

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Note: This table is a compilation of price information presented in the detailed commodity tables further in this annex. Prices for crops are on marketing year basis and those for other products on calendar year basis. See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. Real prices are deflated using USA GDP base year 2022=1.

1. No.2 hard red winter wheat, ordinary protein, United States FOB Gulf Ports (June/May).
2. No.2 yellow corn, United States FOB Gulf Ports (September/August).
3. Feed barley, Europe, FOB Rouen (July/June).
4. FAO all rice price index normalised to India, indica high quality 5% broken average 2014-2016 (January/December).
5. Wholesale price, Central Illinois (September/August).
6. Soybean, U.S., CIF Rotterdam (October/September).
7. Rapeseed, Europe, CIF Hamburg (October/September).
8. Weighted average meal price, European port (October/September).
9. Weighted average price of oilseed oils and palm oil, European port (October/September).
10. Raw sugar world price, ICE contract No11 nearby (October/September).
11. Refined sugar price, Euronext, Liffe, Contract No. 407 London, Europe (October/September).
12. Unit import price, Europe (October/September).
13. Australia and New Zealand: Beef, mixed trimmings 85%, East Coast, FOB port of entry. USD/t.
14. United States of America: Meat of Swine (Fresh, Chilled Or Frozen), export unit value USD/t.
15. Brazil: Meat And Edible Offal Of Poultry (Fresh, Chilled Or Frozen), export unit value USD/t.
16. New Zealand: Lamb 17.5kg, USD/t.
17. World unit value of trade (sum of exports and imports).
18. World unit value of aquaculture fisheries production (live weight basis).
19. FAO estimated value of world ex-vessel value of capture fisheries production excluding for reduction.
20. Fishmeal, 64-65% protein, Hamburg, Germany.
21. Fish oil any origin, N.W. Europe.
22. FOB export price, butter, 82% butterfat, Oceania.
23. FOB export price, cheddar cheese, 39% moisture, Oceania.
24. FOB export price, non-fat dry milk, 1.25% butterfat, Oceania.
25. FOB export price, WMP 26% butterfat, Oceania.
26. FOB export price, sweet whey non-hygroscopic, Western Europe.
27. Export price, New Zealand.
28. Wholesale price, United States, Omaha.
29. Producer price Germany net of biodiesel tariff and energy tax.
30. Cotlook A index, Middling 1 1/8", c.f.r. far Eastern ports (August/July).
31. Thailand, Bangkok, Cassava (flour), wholesale.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.12.1. World trade projections, imports

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Wheat</b>												
<b>World Trade</b>	<b>kt</b>	<b>189 817</b>	<b>192 766</b>	<b>195 075</b>	<b>197 239</b>	<b>199 014</b>	<b>202 239</b>	<b>204 703</b>	<b>206 977</b>	<b>209 296</b>	<b>211 638</b>	<b>213 431</b>
OECD <sup>1</sup>	kt	39 529	39 007	39 182	39 148	39 146	39 303	39 397	39 413	39 458	39 513	39 614
Developing countries	kt	159 923	164 170	166 445	168 661	170 413	173 387	175 711	177 861	180 037	182 246	183 905
Least Developed Countries	kt	19 593	22 816	23 638	23 389	23 878	24 627	25 376	26 065	26 620	27 154	27 611
<b>Maize</b>												
<b>World Trade</b>	<b>kt</b>	<b>187 870</b>	<b>183 282</b>	<b>185 039</b>	<b>186 364</b>	<b>189 132</b>	<b>191 963</b>	<b>194 842</b>	<b>197 700</b>	<b>200 477</b>	<b>203 229</b>	<b>206 138</b>
OECD <sup>1</sup>	kt	82 177	78 656	81 187	82 108	82 386	83 037	84 044	85 147	86 137	87 038	87 879
Developing countries	kt	144 701	144 288	144 657	145 694	148 307	150 822	153 033	155 074	157 243	159 469	161 948
Least Developed Countries	kt	4 980	5 503	5 920	5 298	5 335	5 307	5 407	5 412	5 247	5 057	4 905
<b>Other coarse grains</b>												
<b>World Trade</b>	<b>kt</b>	<b>45 614</b>	<b>43 148</b>	<b>42 857</b>	<b>42 705</b>	<b>42 935</b>	<b>43 549</b>	<b>44 341</b>	<b>44 999</b>	<b>45 809</b>	<b>46 403</b>	<b>46 963</b>
OECD <sup>1</sup>	kt	9 010	9 224	9 257	9 295	9 330	9 261	9 369	9 331	9 466	9 530	9 608
Developing countries	kt	38 594	35 970	35 644	35 689	35 988	36 648	37 429	38 066	38 775	39 341	39 884
Least Developed Countries	kt	1 124	1 500	1 417	1 239	1 205	1 267	1 367	1 499	1 574	1 617	1 611
<b>Rice</b>												
<b>World Trade</b>	<b>kt</b>	<b>52 482</b>	<b>53 847</b>	<b>54 446</b>	<b>55 927</b>	<b>56 751</b>	<b>57 766</b>	<b>58 906</b>	<b>60 206</b>	<b>61 379</b>	<b>62 454</b>	<b>63 487</b>
OECD <sup>1</sup>	kt	7 805	7 965	7 965	8 008	8 025	8 068	8 114	8 173	8 235	8 290	8 370
Developing countries	kt	44 834	46 161	46 730	48 137	48 912	49 846	50 907	52 118	53 206	54 200	55 132
Least Developed Countries	kt	11 889	12 326	13 037	13 639	14 104	14 656	15 311	16 024	16 674	17 322	17 976
<b>Soybean</b>												
<b>World Trade</b>	<b>kt</b>	<b>160 631</b>	<b>162 187</b>	<b>163 261</b>	<b>165 142</b>	<b>165 779</b>	<b>166 766</b>	<b>167 626</b>	<b>168 331</b>	<b>169 112</b>	<b>169 827</b>	<b>170 674</b>
OECD <sup>1</sup>	kt	31 120	30 713	30 624	30 619	30 451	30 333	30 259	30 156	30 060	29 954	29 859
Developing countries	kt	137 863	139 551	140 695	142 501	143 414	144 667	145 751	146 686	147 662	148 611	149 670
Least Developed Countries	kt	1 679	1 889	1 976	2 019	2 063	2 106	2 155	2 201	2 249	2 298	2 349
<b>Other oilseeds</b>												
<b>World Trade</b>	<b>kt</b>	<b>22 536</b>	<b>23 936</b>	<b>24 028</b>	<b>24 078</b>	<b>24 133</b>	<b>24 045</b>	<b>24 246</b>	<b>24 400</b>	<b>24 545</b>	<b>24 671</b>	<b>24 799</b>
OECD <sup>1</sup>	kt	13 953	14 201	14 198	14 183	14 105	13 980	13 970	13 916	13 871	13 817	13 752
Developing countries	kt	10 404	11 793	11 972	12 094	12 261	12 317	12 545	12 744	12 927	13 100	13 287
Least Developed Countries	kt	306	285	290	291	296	292	297	301	303	304	305
<b>Protein meals</b>												
<b>World Trade</b>	<b>kt</b>	<b>92 250</b>	<b>95 026</b>	<b>96 581</b>	<b>97 398</b>	<b>98 362</b>	<b>99 231</b>	<b>100 121</b>	<b>100 971</b>	<b>101 723</b>	<b>102 509</b>	<b>103 222</b>
OECD <sup>1</sup>	kt	46 706	48 222	48 458	48 194	48 158	48 007	47 876	47 754	47 601	47 453	47 332
Developing countries	kt	53 730	55 196	56 734	57 845	58 888	59 985	61 097	62 176	63 190	64 213	65 165
Least Developed Countries	kt	1 503	1 638	1 701	1 749	1 849	1 937	2 026	2 119	2 211	2 340	2 415
<b>Vegetable oils</b>												
<b>World Trade</b>	<b>kt</b>	<b>83 184</b>	<b>84 376</b>	<b>84 782</b>	<b>85 272</b>	<b>85 774</b>	<b>86 285</b>	<b>86 780</b>	<b>87 255</b>	<b>87 754</b>	<b>88 264</b>	<b>88 728</b>
OECD <sup>1</sup>	kt	23 691	23 384	23 086	22 776	22 527	22 296	22 035	21 791	21 543	21 408	21 281
Developing countries	kt	61 438	62 869	63 519	64 283	64 987	65 703	66 415	67 092	67 803	68 414	68 976
Least Developed Countries	kt	6 945	7 368	7 607	7 806	8 016	8 251	8 502	8 755	9 032	9 274	9 513
<b>Sugar</b>												
<b>World Trade</b>	<b>kt</b>	<b>60 725</b>	<b>61 267</b>	<b>63 590</b>	<b>65 640</b>	<b>66 655</b>	<b>66 968</b>	<b>67 234</b>	<b>68 364</b>	<b>69 484</b>	<b>70 703</b>	<b>71 614</b>
OECD <sup>1</sup>	kt	12 014	11 774	11 557	11 433	11 547	11 581	11 565	11 535	11 446	11 390	11 367
Developing countries	kt	48 568	49 549	52 043	54 299	55 261	55 539	55 735	56 855	58 035	59 286	60 219
Least Developed Countries	kt	9 365	9 334	9 816	10 370	10 755	11 060	11 188	11 502	11 825	12 176	12 564
<b>Beef<sup>2</sup></b>												
<b>World Trade</b>	<b>kt</b>	<b>11 293</b>	<b>11 963</b>	<b>12 196</b>	<b>12 365</b>	<b>12 511</b>	<b>12 673</b>	<b>12 825</b>	<b>12 976</b>	<b>13 135</b>	<b>13 290</b>	<b>13 448</b>
OECD <sup>1</sup>	kt	4 538	4 662	4 640	4 651	4 643	4 650	4 652	4 658	4 666	4 672	4 679
Developing countries	kt	7 298	8 065	8 312	8 475	8 635	8 797	8 953	9 107	9 266	9 423	9 584
Least Developed Countries	kt	94	174	178	176	201	235	262	279	298	320	346
<b>Pigmeat<sup>2</sup></b>												
<b>World Trade</b>	<b>kt</b>	<b>11 748</b>	<b>10 417</b>	<b>10 292</b>	<b>10 291</b>	<b>10 285</b>	<b>10 291</b>	<b>10 285</b>	<b>10 297</b>	<b>10 317</b>	<b>10 364</b>	<b>10 399</b>
OECD <sup>1</sup>	kt	5 411	5 879	5 886	5 919	5 953	5 980	6 004	6 031	6 058	6 084	6 105
Developing countries	kt	7 981	6 328	6 200	6 169	6 133	6 119	6 094	6 082	6 079	6 104	6 121
Least Developed Countries	kt	145	170	173	190	212	226	240	259	276	293	310
<b>Poultry meat</b>												
<b>World Trade</b>	<b>kt</b>	<b>14 577</b>	<b>15 600</b>	<b>15 569</b>	<b>15 493</b>	<b>15 603</b>	<b>15 738</b>	<b>15 885</b>	<b>16 049</b>	<b>16 218</b>	<b>16 384</b>	<b>16 544</b>
OECD <sup>1</sup>	kt	4 070	4 543	4 432	4 373	4 363	4 388	4 412	4 433	4 456	4 477	4 499
Developing countries	kt	10 355	10 928	10 984	10 954	11 093	11 236	11 388	11 557	11 732	11 908	12 079
Least Developed Countries	kt	1 296	1 620	1 685	1 765	1 846	1 929	2 015	2 106	2 201	2 299	2 398
<b>Sheep meat<sup>2</sup></b>												
<b>World Trade</b>	<b>kt</b>	<b>1 091</b>	<b>1 131</b>	<b>1 135</b>	<b>1 138</b>	<b>1 142</b>	<b>1 145</b>	<b>1 149</b>	<b>1 153</b>	<b>1 157</b>	<b>1 162</b>	<b>1 166</b>
OECD <sup>1</sup>	kt	436	442	426	418	416	413	411	409	406	404	402
Developing countries	kt	671	700	720	730	736	742	748	755	761	767	774
Least Developed Countries	kt	2	2	2	2	2	2	2	2	2	2	2

## ANNEX C

**Table C.12.1. World trade projections, imports (cont.)**

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Butter</b>												
<b>World Trade</b>	<b>kt</b>	<b>1 002</b>	<b>1 079</b>	<b>1 083</b>	<b>1 090</b>	<b>1 096</b>	<b>1 111</b>	<b>1 125</b>	<b>1 131</b>	<b>1 143</b>	<b>1 150</b>	<b>1 158</b>
OECD <sup>1</sup>	kt	295	310	308	307	302	303	303	300	300	300	300
Developing countries	kt	585	653	666	678	689	701	713	721	731	738	746
Least Developed Countries	kt	11	18	20	20	22	25	27	29	31	32	33
<b>Cheese</b>												
<b>World Trade</b>	<b>kt</b>	<b>3 491</b>	<b>3 630</b>	<b>3 659</b>	<b>3 702</b>	<b>3 762</b>	<b>3 826</b>	<b>3 888</b>	<b>3 950</b>	<b>4 013</b>	<b>4 074</b>	<b>4 131</b>
OECD <sup>1</sup>	kt	1 723	1 765	1 770	1 789	1 809	1 831	1 841	1 854	1 869	1 883	1 896
Developing countries	kt	1 642	1 753	1 789	1 826	1 871	1 914	1 962	2 010	2 056	2 102	2 145
Least Developed Countries	kt	27	34	41	44	49	55	62	69	75	81	88
<b>Whole milk powder</b>												
<b>World Trade</b>	<b>kt</b>	<b>2 752</b>	<b>2 605</b>	<b>2 630</b>	<b>2 650</b>	<b>2 666</b>	<b>2 684</b>	<b>2 699</b>	<b>2 715</b>	<b>2 729</b>	<b>2 741</b>	<b>2 753</b>
OECD <sup>1</sup>	kt	160	153	149	153	155	158	159	159	160	160	160
Developing countries	kt	2 619	2 484	2 511	2 525	2 542	2 559	2 574	2 590	2 603	2 616	2 628
Least Developed Countries	kt	262	257	268	279	289	299	309	319	328	338	348
<b>Skim milk powder</b>												
<b>World Trade</b>	<b>kt</b>	<b>2 583</b>	<b>2 693</b>	<b>2 768</b>	<b>2 839</b>	<b>2 905</b>	<b>2 969</b>	<b>3 035</b>	<b>3 099</b>	<b>3 163</b>	<b>3 229</b>	<b>3 295</b>
OECD <sup>1</sup>	kt	510	523	523	526	530	533	536	539	542	546	550
Developing countries	kt	2 345	2 449	2 518	2 581	2 647	2 710	2 774	2 837	2 900	2 964	3 029
Least Developed Countries	kt	122	135	143	151	159	167	175	183	191	198	206
<b>Fish</b>												
<b>World Trade</b>	<b>kt</b>	<b>43 953</b>	<b>44 084</b>	<b>44 402</b>	<b>44 991</b>	<b>45 100</b>	<b>45 284</b>	<b>45 331</b>	<b>45 595</b>	<b>45 722</b>	<b>45 884</b>	<b>45 659</b>
OECD <sup>1</sup>	kt	23 503	23 547	23 588	24 119	24 196	24 289	24 316	24 412	24 475	24 557	24 558
Developing countries	kt	21 139	21 371	21 750	21 858	21 885	21 995	22 098	22 296	22 315	22 411	22 244
Least Developed Countries	kt	1 353	1 394	1 453	1 482	1 531	1 551	1 549	1 574	1 586	1 587	1 550
<b>Fishmeal<sup>3</sup></b>												
<b>World Trade</b>	<b>kt</b>	<b>3 723</b>	<b>3 869</b>	<b>3 577</b>	<b>3 795</b>	<b>3 846</b>	<b>3 830</b>	<b>3 475</b>	<b>3 691</b>	<b>3 747</b>	<b>3 715</b>	<b>3 348</b>
OECD <sup>1</sup>	kt	1 197	1 205	1 062	1 150	1 132	1 112	957	1 032	1 035	1 031	895
Developing countries	kt	2 756	2 907	2 736	2 863	2 940	2 949	2 740	2 879	2 941	2 920	2 685
Least Developed Countries	kt	87	87	69	85	98	102	91	102	108	109	95
<b>Fish oil<sup>3</sup></b>												
<b>World Trade</b>	<b>kt</b>	<b>919</b>	<b>915</b>	<b>892</b>	<b>927</b>	<b>945</b>	<b>959</b>	<b>932</b>	<b>968</b>	<b>979</b>	<b>992</b>	<b>959</b>
OECD <sup>1</sup>	kt	733	728	715	730	750	760	741	758	770	780	758
Developing countries	kt	322	317	314	332	345	353	345	360	371	378	367
Least Developed Countries	kt	7	7	7	7	7	7	7	7	7	7	7
<b>Ethanol</b>												
<b>World Trade</b>	<b>kt</b>	<b>10 893</b>	<b>10 490</b>	<b>10 735</b>	<b>10 754</b>	<b>10 907</b>	<b>11 067</b>	<b>11 240</b>	<b>11 398</b>	<b>11 551</b>	<b>11 709</b>	<b>11 863</b>
OECD <sup>1</sup>	kt	7 443	7 219	7 402	7 394	7 532	7 677	7 844	7 996	8 143	8 296	8 444
Developing countries	kt	4 675	4 449	4 520	4 533	4 534	4 540	4 540	4 541	4 542	4 545	4 548
Least Developed Countries	kt	221	224	224	224	224	224	224	224	224	224	224
<b>Biodiesel</b>												
<b>World Trade</b>	<b>kt</b>	<b>8 147</b>	<b>6 987</b>	<b>6 919</b>	<b>6 865</b>	<b>6 825</b>	<b>6 797</b>	<b>6 870</b>	<b>6 999</b>	<b>7 094</b>	<b>7 180</b>	<b>7 266</b>
OECD <sup>1</sup>	kt	7 806	6 648	6 578	6 543	6 504	6 483	6 558	6 685	6 780	6 865	6 950
Developing countries	kt	341	339	341	322	321	314	312	314	313	315	316
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
<b>Cotton</b>												
<b>World Trade</b>	<b>kt</b>	<b>9 895</b>	<b>9 233</b>	<b>9 502</b>	<b>9 833</b>	<b>10 047</b>	<b>10 276</b>	<b>10 497</b>	<b>10 717</b>	<b>10 944</b>	<b>11 192</b>	<b>11 422</b>
OECD <sup>1</sup>	kt	2 024	1 764	1 832	1 899	1 925	1 958	1 959	1 963	1 970	1 982	2 001
Developing countries	kt	9 549	8 870	9 138	9 468	9 685	9 914	10 133	10 352	10 578	10 825	11 055
Least Developed Countries	kt	1 560	1 467	1 543	1 614	1 671	1 726	1 787	1 845	1 903	1 962	2 024
<b>Roots and tubers</b>												
<b>World Trade</b>	<b>kt</b>	<b>18 728</b>	<b>19 179</b>	<b>19 523</b>	<b>19 957</b>	<b>20 302</b>	<b>20 647</b>	<b>20 947</b>	<b>21 295</b>	<b>21 632</b>	<b>21 988</b>	<b>22 352</b>
OECD <sup>1</sup>	kt	3 760	3 926	3 886	3 920	3 921	3 921	3 947	3 957	3 962	3 969	3 959
Developing countries	kt	15 584	15 851	16 244	16 654	16 998	17 336	17 612	17 946	18 277	18 623	18 992
Least Developed Countries	kt	240	333	327	331	325	337	366	410	462	508	528

Note: The values do not add up to world trade due to double counting of certain countries and statistical differences (i.e. LDC are already included in the Developing countries aggregate). Average 2020-22est: Data for 2022 are estimated.

1. Excludes Iceland (except for fish products) and Costa Rica but includes all EU member countries.
2. Excludes trade of live animals.
3. Data are in product weight.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.12.2. World trade projections, exports

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Wheat</b>												
OECD <sup>1</sup>	kt	108 983	109 469	109 074	108 937	109 295	111 470	112 768	113 762	114 787	115 790	116 571
Developing countries	kt	26 769	24 613	24 504	24 815	25 401	25 839	26 317	26 811	27 280	27 773	28 303
Least Developed Countries	kt	211	173	167	169	166	162	159	155	153	151	150
<b>Maize</b>												
OECD <sup>1</sup>	kt	68 935	60 983	62 355	63 229	63 113	63 438	63 756	64 036	64 172	64 187	64 292
Developing countries	kt	82 921	82 122	83 440	85 446	87 003	88 512	90 030	91 532	93 007	94 484	96 025
Least Developed Countries	kt	3 003	3 104	2 949	3 053	3 035	3 006	2 953	2 933	2 947	2 980	3 016
<b>Other coarse grains</b>												
OECD <sup>1</sup>	kt	32 272	30 320	29 538	28 931	28 849	29 212	29 694	30 010	30 453	30 679	30 924
Developing countries	kt	6 114	6 300	6 299	6 317	6 324	6 358	6 368	6 390	6 413	6 444	6 489
Least Developed Countries	kt	522	343	357	380	384	375	355	334	323	317	317
<b>Rice</b>												
OECD <sup>1</sup>	kt	3 284	2 936	3 053	3 131	3 224	3 286	3 337	3 394	3 455	3 491	3 546
Developing countries	kt	48 029	50 755	51 221	52 611	53 330	54 267	55 339	56 563	57 658	58 680	59 640
Least Developed Countries	kt	4 446	4 623	4 517	4 550	4 734	4 841	4 902	4 913	5 010	5 156	5 341
<b>Soybean</b>												
OECD <sup>1</sup>	kt	61 371	55 558	56 740	57 113	57 161	57 404	57 561	57 635	57 823	57 922	58 146
Developing countries	kt	94 058	103 878	103 627	105 031	105 575	106 323	107 040	107 669	108 255	108 862	109 482
Least Developed Countries	kt	18	17	17	17	17	17	17	16	16	16	16
<b>Other oilseeds</b>												
OECD <sup>1</sup>	kt	14 471	15 701	15 685	15 595	15 495	15 183	15 344	15 453	15 540	15 602	15 685
Developing countries	kt	3 264	2 929	2 925	2 960	2 984	3 041	3 039	3 035	3 042	3 047	3 050
Least Developed Countries	kt	478	360	321	336	330	343	341	337	336	334	333
<b>Protein meals</b>												
OECD <sup>1</sup>	kt	21 586	22 737	22 866	23 379	23 962	24 456	24 947	25 425	25 796	26 165	26 423
Developing countries	kt	61 369	64 660	66 039	66 270	66 568	66 848	67 132	67 406	67 681	67 983	68 314
Least Developed Countries	kt	361	320	305	305	285	273	262	250	239	220	216
<b>Vegetable oils</b>												
OECD <sup>1</sup>	kt	8 891	8 729	8 792	9 057	9 240	9 374	9 561	9 702	9 808	9 915	9 985
Developing countries	kt	64 123	66 056	66 344	66 455	66 738	67 045	67 257	67 516	67 823	68 135	68 422
Least Developed Countries	kt	565	536	515	499	481	463	446	429	413	397	383
<b>Sugar</b>												
OECD <sup>1</sup>	kt	6 956	7 834	7 599	7 733	7 921	8 004	8 294	8 461	8 546	8 652	8 656
Developing countries	kt	58 555	58 809	61 368	62 909	63 698	63 933	63 936	64 930	65 963	67 024	67 887
Least Developed Countries	kt	2 442	1 965	1 933	1 959	2 058	2 130	1 986	1 940	1 871	1 825	1 814
<b>Beef<sup>2</sup></b>												
OECD <sup>1</sup>	kt	5 225	5 318	5 427	5 463	5 535	5 599	5 668	5 735	5 803	5 870	5 936
Developing countries	kt	6 623	6 933	7 010	7 112	7 202	7 308	7 400	7 496	7 598	7 701	7 807
Least Developed Countries	kt	13	11	11	12	12	12	13	13	13	13	14
<b>Pigmeat<sup>2</sup></b>												
OECD <sup>1</sup>	kt	10 143	8 934	8 849	8 785	8 754	8 740	8 724	8 725	8 733	8 766	8 785
Developing countries	kt	1 907	1 723	1 629	1 662	1 676	1 679	1 689	1 700	1 712	1 726	1 741
Least Developed Countries	kt	1	2	2	2	2	2	2	2	2	1	1
<b>Poultry meat</b>												
OECD <sup>1</sup>	kt	7 355	7 376	7 439	7 462	7 483	7 525	7 574	7 634	7 695	7 755	7 810
Developing countries	kt	8 215	8 352	8 286	8 205	8 309	8 417	8 531	8 653	8 781	8 908	9 031
Least Developed Countries	kt	45	32	31	30	28	27	26	25	24	23	23
<b>Sheep meat<sup>2</sup></b>												
OECD <sup>1</sup>	kt	1 021	1 063	1 076	1 084	1 094	1 102	1 110	1 119	1 127	1 135	1 143
Developing countries	kt	86	86	84	84	85	85	86	86	86	86	86
Least Developed Countries	kt	4	5	5	5	5	4	4	4	4	4	4
<b>Butter</b>												
OECD <sup>1</sup>	kt	824	848	856	871	880	900	917	924	937	943	949
Developing countries	kt	111	144	141	129	124	122	121	122	123	126	130
Least Developed Countries	kt	3	1	1	1	1	0	0	0	0	0	0
<b>Cheese</b>												
OECD <sup>1</sup>	kt	2 623	2 775	2 801	2 844	2 897	2 955	3 014	3 072	3 130	3 186	3 236
Developing countries	kt	561	529	519	506	500	498	498	499	501	505	510
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
<b>Whole milk powder</b>												
OECD <sup>1</sup>	kt	1 972	1 899	1 921	1 938	1 949	1 967	1 981	1 996	2 007	2 016	2 026
Developing countries	kt	715	670	672	675	680	680	681	682	685	687	689
Least Developed Countries	kt	6	6	6	6	5	5	5	5	5	5	4
<b>Skim milk powder</b>												
OECD <sup>1</sup>	kt	2 278	2 335	2 417	2 495	2 566	2 633	2 700	2 767	2 832	2 897	2 962
Developing countries	kt	265	298	293	288	285	283	282	282	282	283	284
Least Developed Countries	kt	13	13	13	12	12	11	11	10	10	10	10

## ANNEX C

**Table C.12.2. World trade projections, exports (cont.)**

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Fish<sup>3</sup></b>												
OECD <sup>1</sup>	kt	13 165	13 408	13 330	13 563	13 678	13 746	13 460	13 620	13 681	13 706	13 417
Developing countries	kt	27 775	27 512	27 772	28 402	28 549	28 789	28 984	29 337	29 586	29 871	29 868
Least Developed Countries	kt	1 928	1 770	1 805	1 716	1 667	1 659	1 670	1 616	1 586	1 562	1 583
<b>Fishmeal<sup>4</sup></b>												
OECD <sup>1</sup>	kt	948	880	851	887	902	916	863	913	930	938	892
Developing countries	kt	2 532	2 469	2 148	2 450	2 530	2 547	2 204	2 499	2 590	2 594	2 235
Least Developed Countries	kt	180	201	193	199	205	207	202	207	209	210	204
<b>Fish oil<sup>4</sup></b>												
OECD <sup>1</sup>	kt	544	510	499	507	501	506	508	513	502	510	514
Developing countries	kt	508	482	452	493	502	514	478	520	525	533	490
Least Developed Countries	kt	44	43	43	43	42	42	42	42	41	41	41
<b>Ethanol</b>												
OECD <sup>1</sup>	kt	5 877	6 138	6 529	6 763	6 880	7 008	7 092	7 228	7 377	7 556	7 731
Developing countries	kt	3 938	3 979	3 834	3 618	3 654	3 686	3 776	3 798	3 802	3 782	3 760
Least Developed Countries	kt	36	44	44	44	44	44	44	44	44	44	44
<b>Biodiesel</b>												
OECD <sup>1</sup>	kt	2 766	2 169	2 243	2 317	2 390	2 465	2 541	2 619	2 699	2 780	2 836
Developing countries	kt	4 159	4 841	4 698	4 572	4 458	4 356	4 352	4 403	4 418	4 424	4 453
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
<b>Cotton</b>												
OECD <sup>1</sup>	kt	4 438	4 403	4 473	4 538	4 616	4 700	4 797	4 890	4 983	5 074	5 162
Developing countries	kt	5 084	4 635	4 848	5 076	5 231	5 387	5 534	5 680	5 826	5 993	6 145
Least Developed Countries	kt	1 144	983	1 030	1 141	1 142	1 149	1 149	1 155	1 166	1 176	1 185
<b>Roots and tubers</b>												
OECD <sup>1</sup>	kt	1 861	1 905	1 937	1 959	1 986	2 007	2 036	2 067	2 094	2 124	2 155
Developing countries	kt	12 754	13 177	13 492	13 903	14 222	14 548	14 822	15 141	15 453	15 782	16 119
Least Developed Countries	kt	141	107	112	110	111	108	102	96	92	90	91

Note: Average 2020-22est: Data for 2022 are estimated.

1. Excludes Iceland (except for fish products) and Costa Rica but includes all EU member countries.
2. Excludes trade of live animals.
3. Data are in live weight equivalent and refer to trade of food fish i.e. for human consumption.
4. Data are in product weight.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



Table C.13.1. Wheat projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>778 550</b>	<b>854 859</b>	<b>0.85</b>	<b>0.82</b>	<b>189 817</b>	<b>213 431</b>	<b>2.14</b>	<b>1.17</b>	<b>193 795</b>	<b>213 431</b>	<b>2.15</b>	<b>1.17</b>
<b>NORTH AMERICA</b>	77 052	88 547	-2.12	0.54	3 002	3 132	-4.07	1.06	45 157	52 014	-1.41	0.77
Canada	30 519	37 048	-0.93	1.23	142	151	10.22	1.87	21 866	27 755	-0.84	1.44
United States	46 533	51 500	-2.87	0.07	2 860	2 981	-4.52	1.02	23 291	24 259	-1.96	0.06
<b>LATIN AMERICA</b>	32 119	39 498	3.28	1.22	22 380	24 817	0.07	0.50	14 777	19 847	8.02	1.88
Argentina	17 933	23 739	5.96	1.42	3	3	0.00	-0.05	12 312	17 020	15.96	1.91
Brazil	7 348	8 605	3.14	1.23	5 184	4 963	-4.05	-1.34	579	589	-5.04	0.00
Chile	1 204	1 052	-3.04	0.02	1 287	1 523	6.26	0.49	0	0	..	..
Colombia	5	6	-15.70	1.18	1 959	2 102	2.58	0.30	20	17	24.41	-0.30
Mexico	3 288	3 470	-1.18	0.45	4 949	5 825	2.06	1.37	729	1 292	-3.53	3.98
Paraguay	891	978	-0.66	1.10	1	1	-37.43	-0.82	410	302	0.79	3.98
Peru	195	203	-1.66	1.00	2 136	2 545	2.17	1.11	4	3	-7.42	-0.35
<b>EUROPE</b>	265 108	282 539	1.31	0.72	8 824	8 081	-2.96	-0.45	87 000	102 343	3.34	1.57
European Union <sup>1</sup>	133 279	137 548	-0.34	0.15	4 806	5 313	-2.04	0.07	31 842	36 858	0.04	1.43
United Kingdom	13 073	16 095	-0.72	1.03	1 656	584	-5.86	-5.02	637	1 215	-6.85	3.04
Russia	84 651	96 226	5.17	1.44	190	377	-14.96	3.89	36 272	48 126	7.36	1.78
Ukraine	25 676	22 515	0.55	0.80	27	15	-12.09	-0.22	16 481	12 856	4.43	0.87
<b>AFRICA</b>	26 686	31 823	-0.13	0.79	51 031	64 309	1.18	2.02	812	569	-3.16	-1.00
Egypt	9 233	10 448	-0.26	1.24	11 815	14 922	0.97	1.76	195	92	-1.95	-0.69
Ethiopia	5 241	5 563	3.05	1.12	1 350	2 827	5.06	4.16	0	0	..	..
Nigeria	66	66	-1.89	0.84	5 663	7 837	3.00	2.68	1	1	-10.10	-0.59
South Africa	2 208	2 165	2.93	-0.21	1 537	1 746	-1.13	1.43	150	77	-5.77	2.71
<b>ASIA</b>	342 214	382 446	0.87	0.98	103 664	111 936	4.04	0.98	19 847	18 310	1.18	1.06
China <sup>2</sup>	136 307	136 176	0.88	0.14	10 025	7 446	14.89	-0.56	168	222	-2.47	1.33
India	108 096	130 578	2.21	1.84	4	2	-39.42	-7.19	5 489	1 783	6.15	9.62
Indonesia	0	0	..	..	10 805	12 458	4.55	0.54	70	67	-5.75	-0.54
Iran	12 480	13 324	2.40	0.41	4 953	5 109	-1.89	2.69	50	49	3.29	-0.27
Japan	1 011	1 120	2.39	0.28	5 424	5 374	-0.99	0.00	0	0	..	..
Kazakhstan	13 091	16 821	-1.11	1.17	1 200	717	65.01	-0.79	8 092	10 001	1.22	0.80
Korea	20	28	-3.05	0.31	4 178	4 070	0.17	0.16	53	56	0.95	0.65
Malaysia	0	0	..	..	1 655	1 886	1.85	0.94	148	158	5.26	-0.93
Pakistan	26 223	31 331	0.52	1.19	2 741	2 730	41.44	7.84	68	79	-29.15	-0.68
Philippines	0	0	..	..	6 371	7 455	5.55	1.31	63	59	249.06	-1.29
Saudi Arabia	550	479	16.11	0.86	3 158	3 876	-0.65	1.30	0	0	..	..
Thailand	1	1	-3.71	0.82	2 895	3 485	-0.30	1.17	19	12	2.84	-1.15
Türkiye	19 233	22 847	-1.45	1.20	9 019	8 157	10.94	-0.57	4 222	4 651	1.68	0.58
Viet Nam	0	0	..	..	4 073	5 167	6.00	2.07	43	36	0.01	-2.02
<b>OCEANIA</b>	35 370	30 005	3.37	0.06	917	1 156	2.65	0.39	26 201	20 349	3.57	-0.20
Australia	34 945	29 507	3.43	0.04	33	28	13.15	-0.40	26 201	20 349	3.57	-0.20
New Zealand	425	499	-0.69	1.33	488	600	1.40	0.64	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>404 630</b>	<b>434 912</b>	<b>0.59</b>	<b>0.67</b>	<b>29 894</b>	<b>29 526</b>	<b>-0.54</b>	<b>0.39</b>	<b>167 026</b>	<b>185 129</b>	<b>1.82</b>	<b>1.09</b>
<b>DEVELOPING COUNTRIES</b>	<b>373 920</b>	<b>419 946</b>	<b>1.12</b>	<b>0.98</b>	<b>159 923</b>	<b>183 905</b>	<b>2.72</b>	<b>1.30</b>	<b>26 769</b>	<b>28 303</b>	<b>4.23</b>	<b>1.70</b>
LEAST DEVELOPED COUNTRIES (LDC)	8 652	9 289	-1.28	0.85	19 593	27 611	3.82	2.22	211	150	1.41	-1.59
<b>OECD<sup>3</sup></b>	<b>284 443</b>	<b>301 655</b>	<b>-0.55</b>	<b>0.38</b>	<b>39 529</b>	<b>39 614</b>	<b>1.28</b>	<b>0.16</b>	<b>108 983</b>	<b>116 571</b>	<b>0.20</b>	<b>0.84</b>
<b>BRICS</b>	<b>338 610</b>	<b>373 750</b>	<b>2.31</b>	<b>1.06</b>	<b>16 940</b>	<b>14 535</b>	<b>2.44</b>	<b>-0.53</b>	<b>42 659</b>	<b>50 796</b>	<b>6.47</b>	<b>1.90</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland and Costa Rica but includes all EU member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.13.2. Wheat projections: Consumption, food**

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>771 357</b>	<b>853 707</b>	<b>1.16</b>	<b>0.81</b>	<b>505 481</b>	<b>562 448</b>	<b>1.04</b>	<b>0.92</b>	<b>64.7</b>	<b>65.6</b>	<b>-0.05</b>	<b>0.08</b>
<b>NORTH AMERICA</b>	39 091	39 089	-0.85	0.26	27 635	28 498	0.25	0.32	73.6	71.8	-0.45	-0.20
Canada	8 962	9 450	0.25	0.64	2 829	3 030	1.14	0.59	74.1	72.8	0.06	-0.20
United States	30 129	29 639	-1.16	0.14	24 806	25 469	0.15	0.29	73.6	71.7	-0.50	-0.20
<b>LATIN AMERICA</b>	40 343	44 426	1.03	0.76	33 201	36 272	0.80	0.72	50.7	51.5	-0.09	0.06
Argentina	6 091	6 723	0.64	0.82	5 032	5 466	0.94	0.77	111.2	113.4	0.14	0.20
Brazil	12 170	12 968	0.93	0.51	10 557	11 221	0.68	0.49	49.3	49.7	-0.06	0.03
Chile	2 474	2 571	0.81	0.51	2 018	2 062	1.19	0.22	105.2	105.1	0.09	0.01
Colombia	1 933	2 091	2.70	0.42	1 707	1 841	2.60	0.36	33.3	34.1	1.35	-0.13
Mexico	7 390	8 003	1.25	0.61	6 150	6 619	1.59	0.70	48.5	48.6	0.64	0.05
Paraguay	526	655	1.54	1.98	360	435	1.36	1.63	49.8	53.7	0.07	0.61
Peru	2 327	2 743	1.84	1.25	1 920	2 221	1.42	1.12	57.6	60.7	-0.04	0.27
<b>EUROPE</b>	181 516	188 250	0.10	0.07	76 003	78 807	-0.22	0.37	101.7	106.8	-0.33	0.53
European Union <sup>1</sup>	105 287	106 084	-0.43	-0.35	47 389	49 358	0.06	0.39	106.3	111.6	-0.06	0.54
United Kingdom	14 610	15 458	-0.06	0.61	5 531	5 851	-2.58	0.69	82.2	84.2	-3.11	0.40
Russia	45 134	48 445	2.76	0.55	13 997	13 846	0.20	-0.10	96.4	98.5	0.11	0.20
Ukraine	8 255	9 615	-4.34	1.49	4 400	5 173	-1.37	1.73	101.2	128.4	-0.84	2.45
<b>AFRICA</b>	78 510	95 216	1.61	1.70	67 659	82 805	2.32	1.71	49.7	47.4	-0.23	-0.55
Egypt	21 332	25 247	0.81	1.60	19 298	23 026	2.12	1.59	185.1	184.8	0.06	0.00
Ethiopia	6 766	8 381	4.04	2.10	5 548	7 004	4.69	2.05	47.1	46.4	1.98	-0.18
Nigeria	5 661	7 891	3.21	2.73	5 173	7 268	3.65	2.76	24.5	26.4	1.01	0.33
South Africa	3 531	3 830	1.29	0.64	3 300	3 566	0.99	0.64	55.0	53.1	-0.39	-0.34
<b>ASIA</b>	422 076	475 928	1.75	1.00	298 230	332 902	1.20	0.93	64.4	67.4	0.29	0.37
China <sup>2</sup>	141 287	144 082	1.80	0.10	88 204	87 649	0.61	-0.14	61.9	62.2	0.20	-0.02
India	104 944	128 404	1.88	1.81	79 853	95 512	0.96	1.70	57.3	62.6	-0.09	0.90
Indonesia	10 519	12 383	4.36	0.80	7 345	8 175	2.54	0.37	26.6	26.9	1.37	-0.46
Iran	16 233	18 337	1.94	1.00	14 009	15 759	1.38	0.99	164.8	167.6	0.05	0.13
Japan	6 417	6 494	-0.69	0.05	4 878	4 809	-0.62	-0.13	39.1	41.1	-0.29	0.45
Kazakhstan	6 322	7 524	-1.65	1.47	2 646	2 919	1.13	0.85	139.3	139.2	-0.21	-0.01
Korea	4 178	4 036	-0.13	0.11	2 345	2 359	0.27	-0.07	45.2	46.2	-0.09	0.09
Malaysia	1 424	1 724	1.02	1.13	1 111	1 296	2.58	0.98	33.9	35.3	1.23	-0.02
Pakistan	27 863	33 969	1.76	1.65	25 203	30 321	1.64	1.63	111.9	111.9	-0.40	-0.03
Philippines	6 108	7 381	5.16	1.34	3 149	4 122	4.00	1.88	28.4	32.6	2.53	0.72
Saudi Arabia	3 797	4 325	1.61	1.15	3 391	3 864	1.89	1.10	96.0	96.4	-0.05	0.01
Thailand	3 077	3 465	0.68	1.17	1 146	1 371	1.09	1.23	16.4	19.5	0.78	1.23
Türkiye	24 273	26 273	1.52	0.72	17 750	18 895	1.68	0.56	208.9	209.4	0.30	0.01
Viet Nam	3 750	5 119	4.51	2.11	1 657	2 353	2.42	2.69	16.9	22.4	1.43	2.08
<b>OCEANIA</b>	9 822	10 797	2.50	0.75	2 753	3 163	1.37	1.24	64.5	65.5	-0.22	0.13
Australia	8 483	9 176	2.74	0.69	2 011	2 271	1.28	1.15	77.6	79.2	-0.15	0.24
New Zealand	913	1 098	0.23	0.95	406	478	1.35	1.48	79.2	85.9	-0.45	0.78
<b>DEVELOPED COUNTRIES</b>	<b>266 077</b>	<b>278 631</b>	<b>0.01</b>	<b>0.26</b>	<b>128 656</b>	<b>134 463</b>	<b>0.08</b>	<b>0.43</b>	<b>89.4</b>	<b>91.7</b>	<b>-0.31</b>	<b>0.28</b>
<b>DEVELOPING COUNTRIES</b>	<b>505 281</b>	<b>575 076</b>	<b>1.81</b>	<b>1.09</b>	<b>376 825</b>	<b>427 985</b>	<b>1.38</b>	<b>1.08</b>	<b>59.1</b>	<b>60.2</b>	<b>0.13</b>	<b>0.09</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	28 760	36 659	3.11	2.06	23 933	31 275	3.15	2.20	26.3	27.2	0.79	0.06
<b>OECD<sup>3</sup></b>	<b>218 564</b>	<b>224 094</b>	<b>-0.08</b>	<b>0.07</b>	<b>119 974</b>	<b>125 288</b>	<b>0.33</b>	<b>0.41</b>	<b>85.6</b>	<b>87.2</b>	<b>-0.17</b>	<b>0.21</b>
<b>BRICS</b>	<b>307 065</b>	<b>337 729</b>	<b>1.92</b>	<b>0.80</b>	<b>195 911</b>	<b>211 795</b>	<b>0.73</b>	<b>0.70</b>	<b>60.5</b>	<b>62.9</b>	<b>0.03</b>	<b>0.36</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.14.1. Maize projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>1 190 406</b>	<b>1 355 409</b>	<b>1.58</b>	<b>1.17</b>	<b>187 870</b>	<b>206 138</b>	<b>5.54</b>	<b>1.36</b>	<b>183 477</b>	<b>201 745</b>	<b>4.64</b>	<b>1.39</b>
<b>NORTH AMERICA</b>	379 091	417 543	0.22	0.64	4 639	4 163	10.75	1.24	63 518	58 637	2.23	0.37
Canada	14 029	15 234	0.83	0.90	3 409	3 126	17.09	1.73	1 642	1 542	4.01	-0.04
United States	365 062	402 309	0.20	0.63	1 230	1 037	1.93	-0.11	61 876	57 095	2.24	0.38
<b>LATIN AMERICA</b>	213 615	253 404	4.59	1.52	39 980	45 449	5.59	1.13	74 394	88 800	8.00	1.77
Argentina	60 023	68 299	7.77	1.17	4	4	-2.17	0.02	37 918	39 581	10.54	0.80
Brazil	109 071	133 586	4.89	1.82	1 934	1 235	10.43	-0.11	34 008	45 467	6.74	2.57
Chile	664	460	-9.59	-0.91	2 333	3 133	7.38	2.63	27	21	-2.48	-2.10
Colombia	1 441	1 990	-3.01	3.01	6 048	5 790	5.97	-0.75	1	1	-13.31	0.06
Mexico	27 152	30 255	1.82	0.84	16 810	20 310	8.52	1.66	502	1 368	-6.52	7.05
Paraguay	4 940	6 577	2.73	1.94	30	10	6.97	-0.44	1 886	2 318	-1.63	1.73
Peru	1 566	1 931	-0.28	2.25	3 756	4 703	5.13	1.65	11	11	3.85	-0.22
<b>EUROPE</b>	124 731	135 796	0.76	1.15	20 900	21 385	5.24	2.25	33 596	44 359	2.70	2.30
European Union <sup>1</sup>	65 231	66 617	-0.60	0.00	17 614	17 649	6.02	2.39	4 411	3 909	1.26	0.97
United Kingdom	0	0	..	..	2 460	2 978	2.95	1.67	0	0	..	..
Russia	14 706	18 240	2.62	2.16	51	129	-0.54	6.10	3 419	6 030	-0.15	3.65
Ukraine	33 467	37 104	2.61	2.90	33	39	-3.04	-0.15	23 165	29 784	3.61	2.27
<b>AFRICA</b>	93 657	118 531	2.97	2.51	21 208	25 798	0.47	1.44	5 078	3 479	3.76	-0.71
Egypt	7 526	8 005	-1.57	0.42	9 549	12 547	2.04	2.62	0	0	..	..
Ethiopia	10 406	10 969	5.53	3.98	0	1	-66.59	..	934	0	2.37	-2.67
Nigeria	12 283	15 354	3.70	2.85	2	1	-44.20	-4.48	1	1	1.27	4.86
South Africa	16 270	18 114	4.11	0.93	0	0	-84.54	..	3 306	2 569	12.54	-1.70
<b>ASIA</b>	378 720	429 542	1.43	1.17	101 027	109 256	6.75	1.28	6 825	6 397	4.46	1.49
China <sup>2</sup>	270 140	301 540	0.90	1.01	24 722	19 257	28.71	2.08	15	61	1.16	14.67
India	32 589	38 884	4.28	1.80	25	31	11.11	0.43	3 143	3 333	7.41	4.66
Indonesia	23 080	28 162	2.39	1.76	996	100	-10.23	-20.56	61	106	5.32	2.55
Iran	1 276	1 294	-3.05	-0.05	9 554	11 042	8.94	1.23	0	0	..	..
Japan	0	0	..	..	15 552	15 652	0.87	0.09	0	0	..	..
Kazakhstan	1 013	1 107	6.40	1.78	6	5	61.33	-1.24	70	82	19.25	9.41
Korea	81	85	0.29	-0.21	11 767	11 827	2.04	0.05	0	0	..	..
Malaysia	69	79	-0.33	1.32	3 702	4 073	-0.02	0.92	9	9	2.66	-0.91
Pakistan	9 367	10 869	8.87	2.32	25	280	10.59	22.70	260	9	10.96	-7.87
Philippines	8 240	9 488	1.34	1.39	674	1 178	0.97	3.14	0	0	..	..
Saudi Arabia	86	82	-0.03	0.99	3 467	4 904	3.01	3.11	0	0	..	..
Thailand	4 936	6 060	0.44	1.56	1 652	1 823	38.26	-0.03	55	19	-32.67	0.01
Türkiye	6 767	7 910	1.42	0.79	2 766	3 756	7.33	2.62	370	242	-0.63	-2.42
Viet Nam	4 447	4 560	-2.28	0.83	11 079	17 939	10.79	2.69	453	241	27.93	-2.62
<b>OCEANIA</b>	593	593	-1.79	0.54	115	86	26.16	-0.49	65	73	-0.67	-2.39
Australia	380	373	-2.17	0.63	4	4	94.93	0.00	63	70	0.27	-2.50
New Zealand	198	204	-1.28	0.31	110	80	32.37	0.13	2	4	-16.59	0.00
<b>DEVELOPED COUNTRIES</b>	<b>523 728</b>	<b>575 121</b>	<b>0.45</b>	<b>0.76</b>	<b>43 168</b>	<b>44 190</b>	<b>3.40</b>	<b>1.30</b>	<b>100 556</b>	<b>105 721</b>	<b>2.67</b>	<b>1.07</b>
<b>DEVELOPING COUNTRIES</b>	<b>666 678</b>	<b>780 287</b>	<b>2.53</b>	<b>1.48</b>	<b>144 701</b>	<b>161 948</b>	<b>6.26</b>	<b>1.37</b>	<b>82 921</b>	<b>96 025</b>	<b>7.24</b>	<b>1.76</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	46 236	64 773	3.03	2.83	4 980	4 905	10.88	-1.28	3 003	3 016	1.30	-0.29
<b>OECD<sup>3</sup></b>	<b>481 265</b>	<b>525 658</b>	<b>0.17</b>	<b>0.57</b>	<b>82 177</b>	<b>87 879</b>	<b>4.77</b>	<b>1.12</b>	<b>68 935</b>	<b>64 292</b>	<b>2.09</b>	<b>0.49</b>
<b>BRICS</b>	<b>442 776</b>	<b>510 364</b>	<b>2.17</b>	<b>1.31</b>	<b>26 732</b>	<b>20 651</b>	<b>22.10</b>	<b>1.94</b>	<b>43 890</b>	<b>57 459</b>	<b>6.30</b>	<b>2.56</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

## ANNEX C

**Table C.14.2. Maize projections: Consumption, feed, food**

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FEED (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>1 195 528</b>	<b>1 356 374</b>	<b>2.33</b>	<b>1.15</b>	<b>684 006</b>	<b>794 453</b>	<b>2.83</b>	<b>1.32</b>	<b>18.1</b>	<b>19.5</b>	<b>0.41</b>	<b>0.68</b>
<b>NORTH AMERICA</b>	324 800	362 276	0.61	0.80	133 504	158 417	0.73	1.42	16.2	16.0	-0.45	-0.22
Canada	15 850	16 800	2.98	1.07	8 571	8 323	2.86	0.79	27.6	26.4	-2.29	-0.88
United States	308 950	345 476	0.50	0.79	124 933	150 094	0.59	1.46	14.9	14.7	-0.07	-0.10
<b>LATIN AMERICA</b>	181 212	209 614	4.15	1.40	117 557	135 064	4.10	1.39	48.0	49.9	0.06	0.31
Argentina	21 995	28 637	5.12	1.71	17 220	20 963	7.00	1.88	34.4	35.4	1.36	0.20
Brazil	77 730	89 081	4.56	1.53	50 610	58 315	2.61	1.36	22.4	22.7	-0.02	0.11
Chile	2 970	3 568	1.34	2.16	2 483	3 031	1.52	2.44	20.5	20.9	0.18	0.34
Colombia	7 655	7 779	3.88	0.15	6 662	6 734	4.44	0.12	17.3	17.3	0.30	-0.12
Mexico	44 143	49 158	4.73	1.08	24 121	26 573	8.19	1.15	132.5	138.5	0.34	0.40
Paraguay	3 436	4 261	12.18	2.05	724	1 083	6.65	3.46	50.0	52.5	-0.94	0.42
Peru	5 311	6 614	3.47	1.91	4 609	5 819	4.00	2.02	14.9	15.4	0.79	0.19
<b>EUROPE</b>	108 401	112 826	1.02	0.63	84 272	85 485	1.23	0.37	8.4	8.9	0.06	0.50
European Union <sup>1</sup>	80 175	80 416	1.25	0.39	62 363	60 049	1.41	-0.01	10.2	10.7	0.06	0.54
United Kingdom	2 468	2 978	4.20	1.67	1 357	1 788	4.84	2.67	8.2	9.4	-0.11	0.41
Russia	10 606	12 298	2.96	1.43	8 842	10 389	4.61	1.43	1.3	1.5	1.31	1.73
Ukraine	6 659	7 365	-3.63	0.93	4 942	5 469	-4.08	0.87	10.6	10.9	-0.01	0.27
<b>AFRICA</b>	109 607	140 291	2.68	2.53	37 428	46 772	2.01	2.50	41.7	43.6	0.18	0.44
Egypt	17 108	20 518	0.70	1.78	12 122	14 952	0.50	2.05	40.4	37.8	-0.55	-0.53
Ethiopia	9 255	10 844	5.60	3.56	1 767	1 851	6.07	2.24	49.3	48.7	2.48	2.07
Nigeria	12 350	15 350	3.63	2.86	2 750	3 870	8.73	3.72	32.2	28.2	-0.45	-0.20
South Africa	12 625	15 444	1.42	1.84	5 502	7 710	0.53	3.26	87.2	83.4	-0.19	-0.45
<b>ASIA</b>	470 872	530 761	3.23	1.08	310 770	368 289	3.98	1.35	8.9	8.7	-0.16	-0.17
China <sup>2</sup>	292 473	319 301	3.14	0.87	186 500	217 028	3.53	1.14	9.4	9.4	0.14	0.00
India	29 829	35 544	4.55	1.63	15 393	19 383	6.13	2.33	5.8	5.4	-0.78	-0.74
Indonesia	24 033	28 147	1.10	1.38	12 255	15 751	6.50	2.28	25.8	24.3	-1.32	-0.56
Iran	10 955	12 322	6.58	1.09	10 730	12 072	6.76	1.09	0.9	0.8	-1.35	-0.22
Japan	15 503	15 668	0.92	-0.07	11 977	11 781	1.07	0.03	0.8	0.9	1.13	0.58
Kazakhstan	816	1 010	4.26	2.15	648	814	4.80	2.39	0.5	0.5	-1.00	-0.10
Korea	11 677	11 908	2.19	-0.03	9 417	9 597	2.69	-0.02	1.9	2.0	0.86	0.26
Malaysia	3 775	4 140	0.01	0.98	3 438	3 784	-0.50	1.02	5.9	6.2	9.54	-0.06
Pakistan	9 065	11 116	8.79	2.61	5 883	7 329	15.07	2.51	8.4	8.3	1.71	1.87
Philippines	8 997	10 663	1.74	1.56	5 967	7 395	1.32	2.01	19.2	18.6	1.03	-0.42
Saudi Arabia	3 519	4 970	3.14	3.19	3 313	4 706	3.13	3.26	0.2	0.1	-1.91	-1.04
Thailand	6 582	7 863	6.61	1.16	6 225	7 443	7.20	1.20	1.2	1.2	-0.31	-0.23
Türkiye	9 246	11 422	3.63	1.44	7 299	9 548	5.27	1.79	15.5	14.7	-0.28	-0.39
Viet Nam	15 219	22 245	5.52	2.40	11 638	17 565	5.35	2.54	7.9	8.1	2.42	0.15
<b>OCEANIA</b>	636	606	-0.11	0.92	474	425	1.54	1.12	2.1	1.8	-1.10	-1.20
Australia	317	308	-2.56	1.51	179	154	-1.19	2.76	2.8	2.5	-1.07	-1.26
New Zealand	307	281	2.46	0.26	292	268	3.21	0.27	1.3	1.2	-1.72	-0.68
<b>DEVELOPED COUNTRIES</b>	<b>466 656</b>	<b>512 648</b>	<b>0.75</b>	<b>0.77</b>	<b>239 764</b>	<b>268 876</b>	<b>0.95</b>	<b>1.06</b>	<b>12.5</b>	<b>12.9</b>	<b>0.10</b>	<b>0.24</b>
<b>DEVELOPING COUNTRIES</b>	<b>728 872</b>	<b>843 727</b>	<b>3.46</b>	<b>1.39</b>	<b>444 242</b>	<b>525 577</b>	<b>3.98</b>	<b>1.46</b>	<b>19.4</b>	<b>20.8</b>	<b>0.40</b>	<b>0.68</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	48 590	66 437	3.90	2.77	13 496	17 391	7.26	2.46	29.7	35.0	0.37	1.07
<b>OECD<sup>3</sup></b>	<b>501 511</b>	<b>548 471</b>	<b>1.19</b>	<b>0.73</b>	<b>261 686</b>	<b>290 395</b>	<b>1.75</b>	<b>0.97</b>	<b>22.1</b>	<b>23.4</b>	<b>0.37</b>	<b>0.52</b>
<b>BRICS</b>	<b>423 263</b>	<b>471 667</b>	<b>3.42</b>	<b>1.09</b>	<b>266 847</b>	<b>312 824</b>	<b>3.44</b>	<b>1.31</b>	<b>9.8</b>	<b>9.6</b>	<b>-0.10</b>	<b>-0.19</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.15.1. Other coarse grain projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>306 297</b>	<b>329 659</b>	<b>0.09</b>	<b>0.74</b>	<b>45 614</b>	<b>46 963</b>	<b>0.92</b>	<b>1.11</b>	<b>48 458</b>	<b>49 808</b>	<b>0.29</b>	<b>1.05</b>
<b>NORTH AMERICA</b>	27 004	28 650	-1.47	0.13	1 718	1 726	-2.17	-0.74	10 066	8 858	-4.08	0.46
Canada	14 126	15 141	1.66	0.42	213	79	7.11	0.24	6 383	5 981	4.08	1.23
United States	12 878	13 509	-4.47	-0.18	1 504	1 647	-2.95	-0.79	3 684	2 877	-18.59	-0.99
<b>LATIN AMERICA</b>	21 982	24 873	0.25	0.86	1 996	2 263	-1.45	1.56	4 851	5 903	3.34	0.59
Argentina	8 579	10 368	0.68	0.88	1	1	0.03	0.00	4 518	5 613	3.11	0.60
Brazil	4 055	4 952	5.18	1.44	500	620	1.65	1.75	6	6	-20.32	6.85
Chile	782	741	0.57	-0.51	140	301	-8.68	8.82	29	20	-11.35	-6.02
Colombia	18	21	-10.30	3.37	335	375	-4.03	0.72	0	0	..	..
Mexico	5 659	5 952	-3.59	0.41	783	659	3.22	0.43	23	34	31.39	0.32
Paraguay	108	121	1.06	1.91	0	0	..	125.62	2	0	-2.73	-6.54
Peru	261	258	-0.37	1.32	156	212	6.13	0.60	0	0	..	..
<b>EUROPE</b>	136 801	136 489	-0.27	0.17	2 680	2 368	3.31	-0.01	21 652	25 244	1.12	2.05
European Union <sup>1</sup>	86 180	83 760	-0.25	-0.23	1 836	1 538	5.27	-0.50	10 771	11 941	-0.13	1.49
United Kingdom	8 416	7 887	0.77	-0.12	167	243	-6.01	3.83	1 346	1 458	1.37	-0.65
Russia	26 722	28 014	0.20	0.53	135	128	-5.74	-1.01	4 834	6 930	4.00	1.72
Ukraine	9 262	9 639	-1.93	2.37	28	17	-0.59	0.05	4 457	4 469	0.72	5.34
<b>AFRICA</b>	52 225	69 516	0.42	1.85	4 688	4 184	2.32	1.50	911	351	-3.50	-1.83
Egypt	990	1 176	0.53	1.30	19	51	-13.86	4.34	0	0	..	..
Ethiopia	11 858	17 022	0.21	1.63	0	1	-77.40	..	355	0	-3.58	-33.57
Nigeria	8 598	9 993	1.81	1.94	10	8	0.00	-3.48	6	7	0.00	3.69
South Africa	658	649	2.79	1.14	74	162	-9.09	-2.05	8	9	-14.59	0.52
<b>ASIA</b>	49 814	54 194	0.33	1.19	34 421	36 288	0.96	1.22	1 075	939	-2.24	0.16
China <sup>2</sup>	10 293	10 171	1.30	0.38	19 327	18 562	4.43	1.13	69	86	-0.64	1.03
India	18 214	20 562	-0.15	1.58	74	203	47.40	5.69	151	54	-15.55	-7.71
Indonesia	0	0	..	..	73	85	-2.99	1.18	0	0	..	..
Iran	3 014	3 361	-0.13	0.68	2 567	3 621	11.11	1.62	0	0	..	..
Japan	236	226	1.85	-0.52	1 727	1 457	-5.19	-1.55	0	0	..	..
Kazakhstan	3 367	3 873	1.77	1.42	61	39	26.18	0.25	715	695	2.21	1.17
Korea	207	149	4.65	-1.33	114	113	-0.39	-0.10	0	0	..	..
Malaysia	0	0	..	..	13	18	73.96	2.11	0	0	..	..
Pakistan	467	548	-0.43	1.68	147	237	9.20	6.57	0	0	..	..
Philippines	1	1	0.93	-0.72	41	45	2.93	0.83	0	0	..	..
Saudi Arabia	211	219	2.65	1.06	5 309	5 541	-8.00	1.21	0	0	..	..
Thailand	160	143	-0.57	-0.30	600	584	50.75	0.93	2	2	0.00	-0.18
Türkiye	8 350	9 194	0.57	1.58	1 400	2 198	21.30	1.96	131	96	34.11	-0.83
Viet Nam	3	2	8.61	-1.16	100	121	3.57	1.35	0	0	..	..
<b>OCEANIA</b>	18 471	15 936	4.08	0.68	110	136	0.42	0.27	9 903	8 512	2.79	-0.45
Australia	18 112	15 530	4.27	0.68	0	0	..	..	9 903	8 512	2.79	-0.45
New Zealand	358	405	-2.68	0.50	25	31	2.51	-0.43	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>188 723</b>	<b>187 886</b>	<b>-0.03</b>	<b>0.23</b>	<b>7 020</b>	<b>7 080</b>	<b>-0.79</b>	<b>-0.16</b>	<b>42 344</b>	<b>43 319</b>	<b>0.20</b>	<b>1.16</b>
<b>DEVELOPING COUNTRIES</b>	<b>117 574</b>	<b>141 772</b>	<b>0.27</b>	<b>1.46</b>	<b>38 594</b>	<b>39 884</b>	<b>1.29</b>	<b>1.36</b>	<b>6 114</b>	<b>6 489</b>	<b>1.05</b>	<b>0.32</b>
LEAST DEVELOPED COUNTRIES (LDC)	24 936	33 003	0.10	2.13	1 124	1 611	5.14	2.14	522	317	-2.81	-1.69
<b>OECD<sup>3</sup></b>	<b>156 559</b>	<b>153 759</b>	<b>-0.09</b>	<b>0.06</b>	<b>9 010</b>	<b>9 608</b>	<b>0.17</b>	<b>0.41</b>	<b>32 272</b>	<b>30 924</b>	<b>-0.49</b>	<b>0.51</b>
<b>BRICS</b>	<b>59 942</b>	<b>64 348</b>	<b>0.59</b>	<b>0.90</b>	<b>20 110</b>	<b>19 676</b>	<b>4.17</b>	<b>1.14</b>	<b>5 069</b>	<b>7 084</b>	<b>1.92</b>	<b>1.60</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

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- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland and Costa Rica but includes all EU member countries.
- Least-squares growth rate (see glossary).

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## ANNEX C

**Table C.15.2. Other coarse grain projections: Consumption, feed, food**

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FEED (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>302 944</b>	<b>326 149</b>	<b>0.21</b>	<b>0.78</b>	<b>172 795</b>	<b>176 113</b>	<b>0.17</b>	<b>0.56</b>	<b>9.9</b>	<b>11.1</b>	<b>-0.21</b>	<b>0.72</b>
<b>NORTH AMERICA</b>	18 642	21 421	-0.95	0.02	10 176	12 667	-0.60	-0.11	7.4	7.5	1.94	-0.13
Canada	7 734	9 212	0.38	-0.02	6 285	7 677	0.04	-0.07	11.0	10.8	5.13	-0.79
United States	10 908	12 209	-1.78	0.06	3 891	4 990	-1.42	-0.17	7.0	7.1	1.46	-0.03
<b>LATIN AMERICA</b>	19 139	21 224	-0.65	1.03	13 328	14 392	-1.40	0.86	2.2	2.3	-1.25	0.44
Argentina	4 011	4 750	-1.38	1.26	2 486	2 557	-1.23	0.91	13.2	12.7	-1.64	-0.28
Brazil	4 532	5 566	4.74	1.44	3 141	3 835	5.57	1.20	1.7	2.1	1.94	2.04
Chile	900	1 020	-0.80	1.67	620	688	-2.12	2.20	3.7	3.8	0.74	0.22
Colombia	354	395	-4.53	0.85	10	11	-27.90	0.97	0.5	0.4	-13.14	0.44
Mexico	6 419	6 578	-3.49	0.45	5 573	5 843	-4.03	0.44	0.2	0.2	-0.93	-0.64
Paraguay	106	120	2.46	1.96	89	99	1.21	2.00	0.0	0.0	-2.50	0.15
Peru	420	470	1.70	1.01	5	7	0.98	2.04	6.6	6.6	0.58	0.18
<b>EUROPE</b>	117 451	113 552	-0.28	-0.18	86 690	82 474	-0.18	-0.03	13.0	13.7	-0.13	0.19
European Union <sup>1</sup>	77 288	73 327	-0.12	-0.46	57 383	53 296	-0.15	-0.28	10.1	11.0	0.05	0.50
United Kingdom	7 354	6 671	1.53	0.21	4 575	3 545	3.24	0.09	31.5	34.8	-0.04	0.41
Russia	21 427	21 225	-0.60	0.09	16 563	16 709	-0.33	0.23	11.7	10.7	-0.28	-0.96
Ukraine	4 972	5 173	-2.76	0.73	3 263	3 375	-3.40	0.83	16.6	15.4	-1.64	-0.70
<b>AFRICA</b>	56 657	72 996	0.88	2.00	7 898	8 291	-1.20	1.60	29.7	31.9	-0.78	-0.14
Egypt	1 008	1 224	0.02	1.45	653	801	0.01	1.37	2.8	2.8	-1.99	0.04
Ethiopia	12 017	16 873	1.40	1.83	390	383	-6.37	1.55	82.0	97.3	-0.58	-0.34
Nigeria	8 702	9 985	1.21	2.01	250	259	-7.74	3.02	36.9	32.4	-0.60	-0.49
South Africa	721	798	2.18	0.93	83	99	-4.72	3.58	2.5	2.3	-1.36	-0.48
<b>ASIA</b>	83 463	89 397	0.74	1.29	48 790	52 577	1.39	1.47	4.9	5.0	-1.19	0.62
China <sup>2</sup>	29 199	28 696	3.18	0.87	17 683	17 379	6.03	1.28	3.0	2.9	-0.57	-0.32
India	18 407	20 705	0.30	1.67	1 650	1 941	12.87	2.51	11.2	11.5	-1.33	0.79
Indonesia	73	85	-2.99	1.18	0	0	0.00	0.00	0.3	0.3	-4.12	0.35
Iran	5 648	6 964	3.96	1.28	5 471	6 768	4.11	1.29	0.3	0.3	-1.35	-0.24
Japan	1 956	1 692	-5.14	-1.58	1 257	1 360	-7.36	-1.28	1.6	1.7	-1.98	0.48
Kazakhstan	2 668	3 205	1.32	1.69	1 727	2 164	1.20	2.15	2.4	2.2	-1.33	-0.78
Korea	320	263	2.43	-0.82	69	69	1.38	-0.02	4.6	3.6	2.56	-0.93
Malaysia	13	18	70.01	2.19	12	17	78.10	2.25	0.0	0.0	135.43	-0.09
Pakistan	614	785	0.99	2.94	186	255	-0.42	2.62	1.7	1.7	-0.03	1.63
Philippines	42	46	2.89	0.80	31	33	2.31	0.51	0.0	0.0	1.71	0.73
Saudi Arabia	5 587	5 723	-7.00	1.51	5 391	5 512	-7.21	1.54	2.5	2.2	-1.91	-1.04
Thailand	758	725	19.02	0.79	434	270	30.63	1.04	1.4	1.4	-0.36	0.05
Türkiye	9 452	11 246	1.67	1.67	8 406	10 110	2.05	1.77	3.4	3.1	-1.35	-0.39
Viet Nam	103	124	3.68	1.30	0	0	0.00	0.00	0.0	0.0	-2.46	-2.53
<b>OCEANIA</b>	7 591	7 559	3.23	0.58	5 914	5 712	3.65	0.73	6.3	6.1	-0.59	-0.68
Australia	7 121	7 018	3.68	0.57	5 572	5 313	4.21	0.74	7.6	7.3	-0.31	-0.78
New Zealand	383	436	-2.40	0.43	323	375	-2.81	0.49	1.5	1.3	-1.72	-0.68
<b>DEVELOPED COUNTRIES</b>	<b>151 735</b>	<b>151 417</b>	<b>-0.22</b>	<b>-0.05</b>	<b>108 236</b>	<b>107 308</b>	<b>-0.07</b>	<b>0.07</b>	<b>9.1</b>	<b>9.4</b>	<b>0.08</b>	<b>-0.03</b>
<b>DEVELOPING COUNTRIES</b>	<b>151 208</b>	<b>174 732</b>	<b>0.67</b>	<b>1.57</b>	<b>64 559</b>	<b>68 805</b>	<b>0.62</b>	<b>1.38</b>	<b>10.1</b>	<b>11.5</b>	<b>-0.29</b>	<b>0.84</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>25 337</b>	<b>34 135</b>	<b>0.33</b>	<b>2.30</b>	<b>1 544</b>	<b>1 689</b>	<b>-4.25</b>	<b>2.05</b>	<b>21.2</b>	<b>23.8</b>	<b>-0.84</b>	<b>0.30</b>
<b>OECD<sup>3</sup></b>	<b>132 191</b>	<b>132 276</b>	<b>-0.17</b>	<b>-0.06</b>	<b>95 622</b>	<b>95 139</b>	<b>-0.10</b>	<b>0.08</b>	<b>7.5</b>	<b>7.9</b>	<b>0.33</b>	<b>0.18</b>
<b>BRICS</b>	<b>74 286</b>	<b>76 991</b>	<b>1.28</b>	<b>0.89</b>	<b>39 120</b>	<b>39 962</b>	<b>2.82</b>	<b>0.88</b>	<b>6.8</b>	<b>7.1</b>	<b>-0.91</b>	<b>0.69</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.16.1. Rice projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>521 534</b>	<b>576 943</b>	<b>0.79</b>	<b>1.10</b>	<b>52 482</b>	<b>63 487</b>	<b>2.38</b>	<b>1.90</b>	<b>51 554</b>	<b>63 487</b>	<b>1.87</b>	<b>1.90</b>
<b>NORTH AMERICA</b>	6 098	6 215	-1.26	0.69	1 655	2 090	5.90	1.70	2 548	2 503	-3.18	1.43
Canada	0	0	..	..	426	484	1.72	1.11	0	0	..	..
United States	6 098	6 215	-1.26	0.69	1 229	1 606	7.66	1.88	2 548	2 503	-3.18	1.43
<b>LATIN AMERICA</b>	18 521	18 718	-0.19	0.33	4 364	5 071	1.79	0.59	3 557	3 346	1.50	-0.96
Argentina	818	768	-3.61	-0.43	5	5	-4.42	0.12	263	135	-7.60	-4.89
Brazil	7 647	6 926	-0.98	-0.72	759	872	3.77	1.40	1 040	853	3.71	-2.19
Chile	93	80	-0.70	0.62	188	197	6.16	0.54	0	0	-33.03	..
Colombia	1 909	2 248	4.17	2.69	128	86	-12.64	-12.43	2	3	157.72	1.64
Mexico	272	284	3.22	0.96	771	863	2.20	1.01	18	17	33.93	0.00
Paraguay	763	976	5.11	1.38	1	1	-5.64	0.58	698	894	8.25	1.40
Peru	2 344	2 486	1.79	0.92	240	349	0.95	0.78	57	32	37.05	-0.36
<b>EUROPE</b>	2 724	2 814	-0.84	0.35	3 666	3 873	3.88	0.92	677	988	0.90	4.09
European Union <sup>1</sup>	1 596	1 587	-1.55	-0.55	2 504	2 649	6.37	1.19	429	681	0.36	3.19
United Kingdom	0	0	..	..	622	660	0.06	0.35	0	0	-0.58	-4.73
Russia	1 088	1 198	0.82	1.66	234	237	-1.08	-0.06	234	296	1.78	6.80
Ukraine	29	15	-10.92	1.47	72	84	-1.03	1.42	7	5	10.34	-1.40
<b>AFRICA</b>	25 071	31 678	2.11	1.88	17 888	28 717	2.65	4.70	499	218	-5.04	-3.47
Egypt	3 800	3 964	-4.33	0.52	393	881	36.92	10.12	0	0	-87.86	..
Ethiopia	170	187	11.86	1.35	605	1 029	12.99	4.96	0	0	..	..
Nigeria	4 963	6 600	3.34	2.53	2 423	3 994	-2.61	3.28	0	0	..	..
South Africa	2	2	0.01	0.24	923	949	-0.24	0.51	0	0	..	..
<b>ASIA</b>	468 619	516 967	0.81	1.09	24 119	22 880	1.77	-0.37	44 157	56 279	2.49	2.10
China <sup>2</sup>	147 745	150 904	0.38	0.40	5 005	4 033	-3.31	0.52	2 303	1 475	29.10	-2.31
India	126 444	147 808	2.47	1.94	6	3	19.99	1.31	19 190	25 205	7.00	3.17
Indonesia	35 155	37 323	-0.94	0.44	560	183	-4.77	-11.53	2	1	-0.36	3.35
Iran	2 400	2 481	6.05	0.77	1 439	1 883	0.78	1.13	2	1	15.87	-0.09
Japan	7 273	6 050	-1.07	-1.50	775	776	0.15	-0.09	89	115	-0.25	3.31
Kazakhstan	347	363	4.61	1.51	19	27	0.28	-2.62	94	88	6.17	2.69
Korea	3 731	3 466	-1.80	-0.64	431	428	1.67	-0.14	53	50	62.65	-0.39
Malaysia	1 566	1 712	-1.60	0.76	1 295	1 511	3.33	1.34	86	92	17.70	-1.25
Pakistan	8 582	9 565	2.92	0.52	9	5	-17.38	0.19	4 302	4 510	1.70	-0.97
Philippines	12 987	16 005	0.92	1.78	3 028	2 968	13.38	0.53	0	0	-20.58	..
Saudi Arabia	0	0	..	..	1 280	1 328	-1.36	0.83	0	0	..	..
Thailand	21 905	25 800	0.06	1.02	147	167	-7.51	1.48	7 277	11 447	-4.19	1.95
Türkiye	606	683	2.02	1.05	172	100	-10.28	-3.48	27	22	-4.30	3.86
Viet Nam	27 954	31 503	-0.44	1.17	1 330	1 162	10.53	-1.73	6 582	7 660	-2.34	1.76
<b>OCEANIA</b>	499	552	-8.26	1.72	790	856	5.17	0.68	117	153	-18.08	8.66
Australia	486	535	-8.63	1.73	235	175	4.84	-1.80	116	152	-18.16	8.76
New Zealand	0	0	..	..	57	62	3.45	1.72	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>17 335</b>	<b>16 384</b>	<b>-1.16</b>	<b>-0.19</b>	<b>7 648</b>	<b>8 355</b>	<b>3.20</b>	<b>0.95</b>	<b>3 525</b>	<b>3 847</b>	<b>-3.17</b>	<b>2.36</b>
<b>DEVELOPING COUNTRIES</b>	<b>504 199</b>	<b>560 560</b>	<b>0.86</b>	<b>1.14</b>	<b>44 834</b>	<b>55 132</b>	<b>2.24</b>	<b>2.05</b>	<b>48 029</b>	<b>59 640</b>	<b>2.33</b>	<b>1.87</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	79 829	94 164	1.29	1.53	11 889	17 976	4.08	4.22	4 446	5 341	3.96	1.73
<b>OECD<sup>3</sup></b>	<b>22 064</b>	<b>21 148</b>	<b>-0.93</b>	<b>-0.07</b>	<b>7 805</b>	<b>8 370</b>	<b>3.02</b>	<b>0.56</b>	<b>3 284</b>	<b>3 546</b>	<b>-3.38</b>	<b>2.02</b>
<b>BRICS</b>	<b>282 926</b>	<b>306 838</b>	<b>1.23</b>	<b>1.09</b>	<b>6 927</b>	<b>6 094</b>	<b>-2.19</b>	<b>0.61</b>	<b>22 768</b>	<b>27 829</b>	<b>8.10</b>	<b>2.63</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland and Costa Rica but includes all EU member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.16.2. Rice projections: Consumption, food

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>519 886</b>	<b>576 931</b>	<b>0.93</b>	<b>1.14</b>	<b>52.1</b>	<b>53.0</b>	<b>-0.12</b>	<b>0.24</b>
<b>NORTH AMERICA</b>	5 170	5 785	2.48	0.85	11.9	12.7	1.75	0.33
Canada	426	484	1.72	1.11	10.5	11.0	0.56	0.33
United States	4 744	5 301	2.55	0.83	12.1	12.9	1.88	0.33
<b>LATIN AMERICA</b>	19 486	20 425	0.00	0.62	25.7	25.1	-0.63	-0.02
Argentina	590	637	1.64	0.86	10.6	11.1	1.83	0.41
Brazil	7 284	6 944	-1.78	-0.28	28.8	26.2	-2.27	-0.75
Chile	284	276	4.21	0.58	12.0	11.9	2.83	0.36
Colombia	2 092	2 327	3.71	1.48	35.8	37.9	2.13	0.99
Mexico	1 024	1 130	1.65	1.02	7.6	7.8	0.71	0.37
Paraguay	81	83	-0.98	1.28	6.0	6.0	-0.58	0.41
Peru	2 540	2 799	1.71	0.93	65.9	66.9	0.31	0.09
<b>EUROPE</b>	5 729	5 699	1.90	0.17	7.2	7.2	1.78	0.33
European Union <sup>1</sup>	3 669	3 556	3.04	0.04	7.9	7.7	2.90	0.18
United Kingdom	622	660	0.12	0.35	8.2	8.4	-1.04	0.06
Russia	1 103	1 137	0.56	0.31	7.0	7.5	0.49	0.57
Ukraine	96	94	-4.52	1.59	2.0	2.0	-4.94	2.33
<b>AFRICA</b>	42 301	59 969	2.67	3.17	26.5	30.0	0.38	1.01
Egypt	4 260	4 842	-1.03	1.67	37.2	36.1	-1.97	0.09
Ethiopia	761	1 212	13.20	4.36	5.6	7.1	9.40	2.28
Nigeria	7 353	10 583	1.18	2.87	29.1	32.6	-1.37	0.51
South Africa	925	950	-0.69	0.51	14.9	13.7	-1.52	-0.47
<b>ASIA</b>	445 959	483 800	0.78	0.95	74.2	75.5	-0.13	0.27
China <sup>2</sup>	151 513	154 126	0.80	0.44	72.2	72.2	-0.07	0.01
India	105 025	122 173	1.22	1.70	66.6	71.1	-0.07	0.90
Indonesia	36 130	37 498	-0.88	0.38	119.0	111.2	-0.51	-0.58
Iran	3 943	4 357	4.19	0.93	40.1	40.4	2.52	0.09
Japan	7 314	7 169	-1.03	-0.31	50.2	52.5	-1.00	0.38
Kazakhstan	287	302	4.22	0.75	13.4	12.9	2.74	-0.14
Korea	3 961	3 838	-1.58	-0.41	66.2	64.7	-1.68	-0.28
Malaysia	2 761	3 128	0.10	1.10	77.3	77.9	-0.51	0.10
Pakistan	4 163	5 037	4.19	2.45	13.8	15.2	1.05	1.02
Philippines	16 000	18 945	2.67	1.67	120.8	127.4	0.92	0.54
Saudi Arabia	1 202	1 325	-1.52	0.84	32.5	31.6	-3.41	-0.25
Thailand	13 668	14 484	-0.40	0.50	103.1	104.4	0.32	0.10
Türkiye	761	761	-0.17	0.31	8.4	7.9	-1.16	-0.26
Viet Nam	22 535	24 992	0.78	0.92	140.4	139.3	-1.28	0.01
<b>OCEANIA</b>	1 241	1 253	5.91	0.96	19.7	20.1	3.14	0.05
Australia	655	557	6.41	0.38	11.6	11.3	2.74	-0.35
New Zealand	57	62	3.45	1.72	10.4	10.5	1.67	1.02
<b>DEVELOPED COUNTRIES</b>	<b>20 849</b>	<b>21 330</b>	<b>0.92</b>	<b>0.25</b>	<b>12.7</b>	<b>12.8</b>	<b>0.38</b>	<b>0.15</b>
<b>DEVELOPING COUNTRIES</b>	<b>499 037</b>	<b>555 601</b>	<b>0.93</b>	<b>1.18</b>	<b>61.0</b>	<b>61.3</b>	<b>-0.27</b>	<b>0.13</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>87 283</b>	<b>106 316</b>	<b>1.62</b>	<b>1.93</b>	<b>74.7</b>	<b>75.0</b>	<b>-0.17</b>	<b>0.03</b>
<b>OECD<sup>3</sup></b>	<b>25 876</b>	<b>26 402</b>	<b>0.78</b>	<b>0.24</b>	<b>16.1</b>	<b>16.1</b>	<b>0.17</b>	<b>0.07</b>
<b>BRICS</b>	<b>265 849</b>	<b>285 331</b>	<b>0.88</b>	<b>0.94</b>	<b>62.9</b>	<b>64.8</b>	<b>-0.14</b>	<b>0.41</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



## ANNEX C

### Table C.17. Main policy assumptions for cereal markets

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ARGENTINA</b>												
Crops export tax	%	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Rice export tax	%	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
<b>CANADA</b>												
Tariff-quotas <sup>1</sup>												
Wheat	kt	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
In-quota tariff	%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Out-of-quota tariff	%	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
Barley	kt	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0
In-quota tariff	%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Out-of-quota tariff	%	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
<b>EUROPEAN UNION<sup>2,3</sup></b>												
Voluntary coupled support												
Wheat <sup>4</sup>	mIn EUR	95.2	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
Rice <sup>5</sup>	mIn EUR	61.3	115.7	115.7	115.7	115.8	114.4	114.4	114.4	114.4	114.4	114.4
Cereal reference price <sup>6</sup>	EUR/t	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3
Direct payments ceilings <sup>7</sup>	bln EUR	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
Rice reference price <sup>8</sup>	EUR/t	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
Wheat tariff-quota <sup>1</sup>	kt	3 805.8	3 447.2	3 447.2	3 447.2	3 447.2	3 447.2	3 447.2	3 447.2	3 447.2	3 447.2	3 447.2
Coarse grain tariff-quota <sup>1</sup>	kt	4 446.0	4 435.1	4 436.1	4 437.1	4 438.1	4 439.1	4 440.1	4 441.1	4 442.1	4 442.1	4 442.1
<b>JAPAN</b>												
Wheat tariff-quota	kt	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0	5 740.0
In-quota tariff	'000 JPY/t	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	'000 JPY/t	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
Barley tariff-quota	kt	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0	1 369.0
In-quota tariff	'000 JPY/t	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	'000 JPY/t	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
Rice tariff-quota	kt	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
In-quota tariff	'000 JPY/t	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	'000 JPY/t	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0
<b>KOREA</b>												
Wheat tariff	%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Maize tariff-quota	kt	9 733.3	10 000.0	10 000.0	10 000.0	10 000.0	10 000.0	10 000.0	10 000.0	10 000.0	10 000.0	10 000.0
In-quota tariff	%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Out-of-quota tariff	%	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0
Barley tariff-quota	kt	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
In-quota tariff	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Out-of-quota tariff	%	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4
Rice quota <sup>9</sup>	kt	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
In-quota tariff	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Out-of-quota tariff	%	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0
<b>MERCOSUR</b>												
Wheat tariff	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Coarse grain tariff <sup>10</sup>	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Rice tariff	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>UNITED STATES</b>												
ARC participation rate												
Wheat	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Coarse grains	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Wheat loan rate	USD/t	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	126.2
Maize loan rate	USD/t	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
<b>CHINA</b>												
Wheat tariff-quota	kt	9 636	9 636	9 636	9 636	9 636	9 636	9 636	9 636	9 636	9 636	9 636
In-quota tariff	%	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Out-of-quota tariff	%	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
Coarse grains tariff	%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Maize tariff-quota	kt	7 200	7 200	7 200	7 200	7 200	7 200	7 200	7 200	7 200	7 200	7 200
In-quota tariff	%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Out-of-quota tariff	%	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
Rice tariff-quota	kt	5 320	5 320	5 320	5 320	5 320	5 320	5 320	5 320	5 320	5 320	5 320
In-quota tariff	%	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Out-of-quota tariff	%	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7

**Table C.17. Main policy assumptions for cereal markets (cont.)**

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>INDIA</b>												
Minimum support price												
Rice	INR/t	18 902	20 681	21 464	22 042	22 616	23 287	23 933	24 580	25 210	25 843	26 467
Wheat	INR/t	20 186	22 840	23 738	24 416	24 906	25 465	26 042	26 667	27 294	27 930	28 533
Wheat tariff	%	54.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
Rice tariff	%	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
<b>RUSSIA</b>												
Wheat export tax	%	21.9	25.6	18.7	16.8	17.8	18.4	19.3	20.2	21.0	21.6	22.4
Maize export tax	%	17.1	19.8	8.7	6.7	7.7	8.6	9.7	10.5	11.3	12.0	12.9
Other coarse grains export tax	%	19.2	21.1	15.4	12.9	13.4	14.7	15.9	16.9	17.7	18.4	19.2

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. The sources for tariffs and Tariff Rate Quotas are the national questionnaire reply, UNCTAD and WTO.

1. Year beginning 1 July.
2. Since 2015 the Basic payment scheme (BPS) holds, which shall account for 68% maximum of the national direct payment envelopes. On top of this, compulsory policy instruments have been introduced: the Green Payment (30%) and young farmer scheme (2%).
3. Refers to all current European Union member States.
4. Mainly for durum wheat. Implemented in 6 Member States.
5. Implemented in 6 Member States.
6. Buying-in at the fixed reference price is operable automatically only for common wheat up to a maximum quantity of 3 million tons per marketing year. Above that ceiling and for durum wheat, maize and barley intervention can take place only via tender.
7. Estimated net amounts for all direct payments based on Annex II of EU Regulation No 1307/2013, accounting for the transfers between direct aids and rural development envelopes.
8. Intervention is set at zero tonnes per marketing year. However, the Commission may initiate intervention if market requires.
9. Milled rice basis.
10. Applied by Brazil only.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.18.1. Soybean projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>363 337</b>	<b>414 821</b>	<b>2.17</b>	<b>0.86</b>	<b>160 631</b>	<b>170 674</b>	<b>4.38</b>	<b>0.55</b>	<b>157 936</b>	<b>170 674</b>	<b>3.13</b>	<b>0.55</b>
<b>NORTH AMERICA</b>	123 941	134 496	1.71	0.74	928	889	-7.23	1.19	61 118	57 845	1.55	0.38
Canada	6 395	9 258	1.06	2.91	466	477	3.28	2.17	4 452	5 760	1.92	2.15
United States	117 546	125 237	1.75	0.60	463	412	-12.59	0.14	56 666	52 085	1.52	0.21
<b>LATIN AMERICA</b>	190 288	223 254	1.90	0.85	10 999	10 952	8.59	0.55	93 564	109 107	4.26	0.63
Argentina	42 067	50 713	-4.24	0.85	3 001	3 022	461.42	0.09	8 945	8 017	-4.77	-0.69
Brazil	134 524	153 496	5.18	0.76	410	412	-0.86	0.04	77 303	90 955	6.77	0.66
Chile	0	0	..	..	177	182	-4.13	0.65	2	2	0.00	-0.64
Colombia	75	84	0.97	0.92	537	633	-1.83	0.90	0	0	-49.13	..
Mexico	274	515	-2.79	4.95	5 619	5 511	5.86	0.98	7	6	58.06	0.00
Paraguay	7 933	11 958	-2.42	1.80	33	0	-37.24	1.12	4 867	7 270	-1.29	1.90
Peru	5	5	0.00	1.28	367	375	-0.15	0.82	0	0	..	..
<b>EUROPE</b>	11 659	14 645	5.99	1.55	17 805	16 092	1.50	-1.17	2 730	3 326	3.13	0.88
European Union <sup>1</sup>	2 592	3 441	6.24	2.24	14 579	12 720	1.57	-1.42	236	284	9.17	1.69
United Kingdom	0	0	..	..	760	784	0.54	0.30	0	0	..	..
Russia	5 020	6 632	12.09	1.81	1 815	1 874	0.91	-0.58	1 026	1 033	31.96	0.00
Ukraine	3 226	3 669	-0.33	0.70	7	6	18.06	0.21	1 458	1 999	-3.19	1.26
<b>AFRICA</b>	3 397	3 789	5.33	0.76	5 624	6 727	12.05	1.10	179	158	5.52	-0.81
Egypt	33	33	-0.52	0.58	4 383	5 164	15.14	0.82	0	0	-62.95	..
Ethiopia	120	130	7.92	0.76	0	0	-50.36	..	78	78	11.18	0.04
Nigeria	700	802	1.88	1.49	70	113	77.05	3.51	10	9	13.38	-0.82
South Africa	1 765	1 931	10.32	0.21	46	36	-14.15	-1.20	28	17	10.78	-2.32
<b>ASIA</b>	34 004	38 557	3.99	1.03	125 270	136 006	4.41	0.74	342	235	-10.81	-0.40
China <sup>2</sup>	18 762	21 103	5.88	1.01	95 977	101 847	4.01	0.66	167	100	-9.20	0.00
India	12 832	14 659	2.44	1.11	640	1 014	86.14	2.02	55	42	-16.99	-0.32
Indonesia	707	872	-2.55	0.27	2 600	2 989	3.03	1.36	5	5	-4.70	-0.18
Iran	220	201	2.76	-0.22	2 150	2 542	13.48	1.38	27	36	1.39	-1.36
Japan	240	260	0.97	0.23	3 238	3 092	1.39	-0.57	0	0	..	..
Kazakhstan	267	303	3.41	1.17	45	39	14.41	-1.61	0	0	47.98	..
Korea	110	112	-1.88	0.21	1 297	1 332	0.26	0.03	0	0	..	..
Malaysia	0	0	..	..	933	1 214	6.03	1.25	10	8	-15.13	-1.23
Pakistan	2	2	-11.93	0.17	2 383	2 800	21.47	1.60	0	0	..	..
Philippines	1	1	0.00	-0.58	217	276	13.55	1.59	0	0	..	..
Saudi Arabia	0	0	..	..	770	956	6.72	1.30	0	0	..	..
Thailand	43	45	-3.17	0.59	3 833	4 820	8.05	1.13	3	3	-19.92	-1.07
Türkiye	141	150	-2.22	0.53	2 917	3 472	5.83	0.87	5	5	-25.03	-0.58
Viet Nam	61	59	-12.88	0.33	1 977	2 426	4.47	1.58	35	2	36.40	-1.56
<b>OCEANIA</b>	48	80	2.92	1.31	5	6	16.17	0.26	3	4	-8.94	0.48
Australia	48	80	2.92	1.31	4	5	25.56	0.31	3	4	-8.95	0.48
New Zealand	0	0	..	..	1	1	-0.01	0.00	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>137 935</b>	<b>151 731</b>	<b>2.12</b>	<b>0.81</b>	<b>22 768</b>	<b>21 003</b>	<b>0.96</b>	<b>-0.90</b>	<b>63 879</b>	<b>61 192</b>	<b>1.62</b>	<b>0.41</b>
<b>DEVELOPING COUNTRIES</b>	<b>225 402</b>	<b>263 090</b>	<b>2.19</b>	<b>0.88</b>	<b>137 863</b>	<b>149 670</b>	<b>5.06</b>	<b>0.77</b>	<b>94 058</b>	<b>109 482</b>	<b>4.16</b>	<b>0.63</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	899	1 012	1.75	1.18	1 679	2 349	14.57	2.32	18	16	-3.79	-0.92
<b>OECD<sup>3</sup></b>	<b>127 426</b>	<b>139 143</b>	<b>1.77</b>	<b>0.79</b>	<b>31 120</b>	<b>29 859</b>	<b>1.95</b>	<b>-0.32</b>	<b>61 371</b>	<b>58 146</b>	<b>1.56</b>	<b>0.39</b>
<b>BRICS</b>	<b>172 902</b>	<b>197 822</b>	<b>5.22</b>	<b>0.84</b>	<b>98 889</b>	<b>105 184</b>	<b>3.98</b>	<b>0.64</b>	<b>78 578</b>	<b>92 146</b>	<b>6.81</b>	<b>0.66</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.18.2. Soybean projections: Consumption, domestic crush

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		DOMESTIC CRUSH (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>365 134</b>	<b>414 372</b>	<b>2.83</b>	<b>0.89</b>	<b>327 744</b>	<b>372 933</b>	<b>2.90</b>	<b>0.89</b>
<b>NORTH AMERICA</b>	<b>66 246</b>	<b>77 412</b>	<b>2.42</b>	<b>1.15</b>	<b>61 664</b>	<b>72 206</b>	<b>2.72</b>	<b>1.21</b>
Canada	2 500	3 966	0.91	4.12	1 798	3 248	0.81	4.66
United States	63 747	73 447	2.49	1.01	59 866	68 958	2.78	1.07
<b>LATIN AMERICA</b>	<b>107 243</b>	<b>125 034</b>	<b>0.88</b>	<b>1.02</b>	<b>98 505</b>	<b>114 720</b>	<b>0.80</b>	<b>0.98</b>
Argentina	36 456	45 717	-2.29	1.21	35 430	44 631	-2.39	1.23
Brazil	56 797	62 898	3.26	0.81	49 892	54 525	3.45	0.69
Chile	185	180	-3.87	0.66	184	180	-3.90	0.66
Colombia	612	717	-1.13	0.90	604	709	-1.13	0.91
Mexico	5 900	6 019	6.04	1.38	5 564	5 717	6.29	1.42
Paraguay	3 100	4 680	-3.19	1.65	2 995	4 540	-3.10	1.67
Peru	372	380	0.50	0.82	371	378	0.49	0.83
<b>EUROPE</b>	<b>26 561</b>	<b>27 401</b>	<b>3.12</b>	<b>-0.09</b>	<b>23 526</b>	<b>24 209</b>	<b>2.95</b>	<b>-0.13</b>
European Union <sup>1</sup>	17 035	15 877	2.37	-0.87	15 009	13 854	2.20	-1.00
United Kingdom	760	784	0.54	0.30	709	691	0.92	-0.02
Russia	5 840	7 474	6.34	1.41	5 429	6 947	6.11	1.43
Ukraine	1 460	1 665	0.59	0.72	1 315	1 509	0.59	0.82
<b>AFRICA</b>	<b>8 790</b>	<b>10 354</b>	<b>9.03</b>	<b>1.02</b>	<b>8 130</b>	<b>9 527</b>	<b>10.54</b>	<b>0.92</b>
Egypt	4 433	5 194	14.67	0.84	4 423	5 194	14.71	0.84
Ethiopia	43	52	3.66	2.03	21	25	3.40	1.61
Nigeria	760	906	2.98	1.75	656	786	11.03	1.57
South Africa	1 704	1 951	9.03	0.21	1 538	1 740	8.91	0.10
<b>ASIA</b>	<b>156 243</b>	<b>174 088</b>	<b>4.23</b>	<b>0.84</b>	<b>135 875</b>	<b>152 197</b>	<b>4.38</b>	<b>0.85</b>
China <sup>2</sup>	111 705	122 638	4.15	0.74	95 076	104 669	4.07	0.75
India	13 513	15 629	3.06	1.17	11 857	13 890	4.16	1.21
Indonesia	3 228	3 854	1.50	1.16	2 600	3 155	3.03	1.21
Iran	2 323	2 704	11.90	1.33	2 306	2 694	12.04	1.34
Japan	3 534	3 351	1.59	-0.52	2 771	2 452	2.14	-1.14
Kazakhstan	302	342	3.47	0.81	173	192	4.17	0.80
Korea	1 410	1 445	0.02	0.04	1 369	1 404	0.08	0.04
Malaysia	950	1 205	7.05	1.27	948	1 205	7.03	1.27
Pakistan	2 392	2 797	21.50	1.65	2 387	2 797	21.49	1.65
Philippines	218	276	13.34	1.75	214	276	13.51	1.75
Saudi Arabia	773	956	6.75	1.30	768	951	6.67	1.30
Thailand	3 857	4 860	7.94	1.22	3 817	4 860	7.94	1.22
Türkiye	3 089	3 612	6.40	1.01	3 003	3 575	6.21	1.02
Viet Nam	1 995	2 478	3.82	1.64	1 976	2 446	4.22	1.66
<b>OCEANIA</b>	<b>50</b>	<b>82</b>	<b>5.66</b>	<b>1.26</b>	<b>45</b>	<b>74</b>	<b>5.97</b>	<b>1.29</b>
Australia	49	81	5.82	1.28	45	74	5.97	1.29
New Zealand	1	1	-0.01	0.00	0	0	0.00	0.00
<b>DEVELOPED COUNTRIES</b>	<b>99 123</b>	<b>111 403</b>	<b>2.68</b>	<b>0.77</b>	<b>90 432</b>	<b>101 730</b>	<b>2.86</b>	<b>0.80</b>
<b>DEVELOPING COUNTRIES</b>	<b>266 011</b>	<b>302 969</b>	<b>2.89</b>	<b>0.94</b>	<b>237 312</b>	<b>271 203</b>	<b>2.92</b>	<b>0.93</b>
LEAST DEVELOPED COUNTRIES (LDC)	2 572	3 343	8.30	2.00	2 125	2 818	10.28	1.95
<b>OECD<sup>3</sup></b>	<b>99 899</b>	<b>110 723</b>	<b>2.58</b>	<b>0.77</b>	<b>91 987</b>	<b>102 099</b>	<b>2.79</b>	<b>0.80</b>
<b>BRICS</b>	<b>189 559</b>	<b>210 590</b>	<b>3.86</b>	<b>0.81</b>	<b>163 791</b>	<b>181 771</b>	<b>3.95</b>	<b>0.78</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.19.1. Other oilseed projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>170 836</b>	<b>189 088</b>	<b>2.56</b>	<b>0.86</b>	<b>22 536</b>	<b>24 799</b>	<b>2.11</b>	<b>0.39</b>	<b>23 982</b>	<b>24 799</b>	<b>2.64</b>	<b>0.39</b>
NORTH AMERICA	21 874	25 423	-0.08	1.07	989	952	-1.39	0.07	8 836	10 716	-2.59	1.91
Canada	17 237	20 342	-0.64	1.18	244	260	1.16	0.55	8 200	10 048	-2.78	1.94
United States	4 637	5 080	2.33	0.65	745	692	-2.07	-0.10	637	668	-0.12	1.53
LATIN AMERICA	6 626	7 072	3.57	0.74	1 829	2 360	1.42	0.83	1 102	1 255	6.54	1.47
Argentina	4 623	4 644	3.45	0.37	1	1	0.00	0.00	594	596	2.47	0.77
Brazil	585	778	4.11	2.65	4	2	-9.50	0.00	172	210	15.47	2.95
Chile	200	201	1.15	0.41	34	39	13.81	-0.49	9	8	5.53	0.42
Colombia	2	2	0.01	0.09	7	7	0.02	0.02	0	0	..	..
Mexico	112	115	-0.79	0.56	1 756	2 286	1.33	0.89	2	3	-1.36	0.00
Paraguay	218	233	-1.35	0.72	0	0	..	..	27	30	-1.63	2.09
Peru	6	7	0.00	0.71	1	1	0.00	0.75	0	0	..	..
EUROPE	66 177	72 077	2.10	1.06	8 362	7 636	8.16	-0.90	6 677	6 316	7.21	1.34
European Union <sup>1</sup>	27 561	29 943	-0.58	0.99	6 922	6 306	7.07	-0.97	790	824	-4.49	0.31
United Kingdom	1 239	1 670	-7.61	0.19	801	743	18.11	-0.26	58	23	-26.67	-2.52
Russia	18 288	21 681	7.42	1.41	247	220	5.35	-0.88	1 744	1 447	35.46	-0.90
Ukraine	16 736	16 159	3.00	0.89	29	26	1.32	-0.50	3 363	3 176	9.01	2.96
AFRICA	9 542	10 994	0.95	1.41	403	578	-2.30	1.98	568	415	16.14	-0.48
Egypt	118	111	0.24	0.51	87	197	4.18	2.59	22	17	4.67	-2.52
Ethiopia	120	144	1.70	1.45	0	0	..	55.00	27	34	111.37	0.77
Nigeria	2 163	2 592	-0.12	2.05	0	0	..	..	14	11	-9.29	-1.70
South Africa	1 047	1 154	3.58	0.04	14	10	-23.14	0.41	6	11	-1.41	-0.34
ASIA	60 180	68 188	3.91	0.87	10 925	13 247	-0.63	1.09	2 052	2 015	3.37	0.39
China <sup>2</sup>	35 888	39 915	3.66	0.77	3 694	5 389	-3.46	2.47	680	670	3.00	0.00
India	16 385	18 913	5.18	0.94	220	238	-4.47	-0.78	756	574	7.88	0.08
Indonesia	465	519	-6.43	1.21	262	288	4.08	0.26	1	1	0.30	-0.02
Iran	399	410	6.46	0.30	142	154	6.18	-0.13	1	1	0.02	0.01
Japan	23	25	0.93	0.67	2 399	2 514	-0.59	-0.03	0	0	..	..
Kazakhstan	1 152	1 547	6.21	1.28	13	7	-0.12	0.01	423	596	9.14	1.38
Korea	14	14	-2.77	-0.06	30	31	2.86	-0.08	0	0	..	..
Malaysia	5	5	0.00	0.21	44	47	0.80	0.53	3	3	0.01	-0.53
Pakistan	983	1 128	3.18	1.33	1 030	1 469	-1.51	1.18	0	0	-60.24	..
Philippines	20	22	0.00	1.56	95	105	6.82	0.72	0	0	..	..
Saudi Arabia	3	3	0.00	0.98	4	4	0.01	0.52	0	0	..	..
Thailand	90	95	-0.03	0.64	58	60	1.39	0.25	4	3	-0.31	-0.18
Türkiye	2 046	2 653	3.40	1.36	846	701	0.18	-0.95	12	12	-8.56	0.12
Viet Nam	311	343	0.77	1.34	189	202	2.62	0.35	35	33	4.06	-0.35
OCEANIA	6 437	5 334	6.80	-3.14	27	26	3.47	-0.03	4 747	4 083	6.80	-4.04
Australia	6 424	5 321	6.81	-3.15	23	22	4.55	0.00	4 746	4 083	6.80	-4.04
New Zealand	10	10	0.00	-0.14	4	4	0.01	0.06	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>96 872</b>	<b>105 743</b>	<b>1.93</b>	<b>0.80</b>	<b>12 132</b>	<b>11 512</b>	<b>4.76</b>	<b>-0.59</b>	<b>20 719</b>	<b>21 749</b>	<b>2.29</b>	<b>0.37</b>
<b>DEVELOPING COUNTRIES</b>	<b>73 964</b>	<b>83 345</b>	<b>3.43</b>	<b>0.93</b>	<b>10 404</b>	<b>13 287</b>	<b>-0.52</b>	<b>1.32</b>	<b>3 264</b>	<b>3 050</b>	<b>5.20</b>	<b>0.51</b>
LEAST DEVELOPED COUNTRIES (LDC)	6 855	7 799	1.68	1.39	306	305	3.85	0.73	478	333	22.25	-0.20
<b>OECD<sup>3</sup></b>	<b>59 668</b>	<b>65 536</b>	<b>0.18</b>	<b>0.61</b>	<b>13 953</b>	<b>13 752</b>	<b>3.75</b>	<b>-0.38</b>	<b>14 471</b>	<b>15 685</b>	<b>-0.36</b>	<b>-0.04</b>
<b>BRICS</b>	<b>72 193</b>	<b>82 440</b>	<b>4.87</b>	<b>0.98</b>	<b>4 179</b>	<b>5 859</b>	<b>-3.29</b>	<b>2.16</b>	<b>3 359</b>	<b>2 911</b>	<b>14.43</b>	<b>-0.27</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland and Costa Rica but includes all EU member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

Table C.19.2. Other oilseed projections: Consumption, domestic crush

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		DOMESTIC CRUSH (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>170 110</b>	<b>189 061</b>	<b>2.66</b>	<b>0.89</b>	<b>143 117</b>	<b>161 787</b>	<b>2.51</b>	<b>1.03</b>
<b>NORTH AMERICA</b>	14 903	15 658	2.89	0.67	12 666	13 277	3.00	0.79
Canada	10 161	10 554	3.57	0.78	9 810	10 244	3.74	0.87
United States	4 742	5 104	1.53	0.44	2 856	3 034	0.73	0.52
<b>LATIN AMERICA</b>	7 443	8 177	3.08	0.66	6 960	7 610	3.62	0.60
Argentina	4 125	4 049	4.52	0.31	3 978	3 863	5.40	0.26
Brazil	408	570	1.11	2.53	335	461	0.87	2.34
Chile	225	232	2.39	0.25	206	212	2.51	0.25
Colombia	9	10	0.02	0.03	8	8	0.02	-0.05
Mexico	1 869	2 399	1.24	0.87	1 758	2 298	1.49	0.89
Paraguay	191	203	-2.32	0.54	158	166	-2.49	0.45
Peru	7	7	0.00	0.71	3	3	0.00	0.53
<b>EUROPE</b>	68 010	73 387	2.39	0.85	63 881	69 128	2.59	0.88
European Union <sup>1</sup>	34 070	35 425	0.96	0.70	31 585	32 865	0.93	0.75
United Kingdom	1 982	2 390	-0.53	0.07	1 982	2 390	-0.53	0.07
Russia	16 571	20 442	6.19	1.57	15 808	19 507	6.55	1.56
Ukraine	13 369	13 012	2.11	0.43	12 728	12 486	2.77	0.45
<b>AFRICA</b>	9 337	11 156	0.28	1.52	5 620	6 215	0.39	0.72
Egypt	182	291	1.58	2.13	131	234	2.83	2.27
Ethiopia	93	111	-2.00	1.66	60	69	-1.95	1.24
Nigeria	2 149	2 582	-0.03	2.07	752	643	-0.04	-0.36
South Africa	1 021	1 153	2.01	0.07	915	1 022	1.87	-0.04
<b>ASIA</b>	68 777	79 406	3.10	0.93	52 795	64 396	2.38	1.34
China <sup>2</sup>	38 675	44 632	2.81	0.97	26 331	33 771	1.14	1.78
India	15 822	18 573	4.88	0.97	14 064	16 533	5.08	0.99
Indonesia	727	806	-3.59	0.86	295	334	2.34	0.84
Iran	540	563	6.26	0.19	499	517	6.25	0.14
Japan	2 402	2 539	-0.58	-0.03	2 384	2 521	-0.58	-0.03
Kazakhstan	716	955	4.72	1.29	563	771	4.74	1.42
Korea	44	44	0.67	-0.07	40	40	0.85	-0.08
Malaysia	46	49	0.76	0.56	45	47	0.79	0.55
Pakistan	1 985	2 594	0.62	1.25	1 833	2 422	0.50	1.23
Philippines	115	127	5.50	0.87	102	113	6.38	0.83
Saudi Arabia	7	7	0.00	0.72	5	5	0.00	0.58
Thailand	144	152	0.49	0.51	88	95	0.86	0.82
Türkiye	2 926	3 341	2.73	0.87	2 701	3 088	2.74	0.89
Viet Nam	465	512	1.53	1.05	355	396	1.73	1.19
<b>OCEANIA</b>	1 640	1 277	6.61	0.37	1 194	1 161	3.67	0.40
Australia	1 623	1 260	6.70	0.37	1 182	1 149	3.71	0.40
New Zealand	14	14	-0.01	-0.08	11	11	-0.01	0.00
<b>DEVELOPED COUNTRIES</b>	<b>89 153</b>	<b>95 492</b>	<b>2.48</b>	<b>0.79</b>	<b>82 001</b>	<b>88 325</b>	<b>2.58</b>	<b>0.83</b>
<b>DEVELOPING COUNTRIES</b>	<b>80 958</b>	<b>93 568</b>	<b>2.85</b>	<b>1.01</b>	<b>61 116</b>	<b>73 462</b>	<b>2.41</b>	<b>1.28</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>6 675</b>	<b>7 769</b>	<b>1.10</b>	<b>1.44</b>	<b>4 607</b>	<b>5 120</b>	<b>1.08</b>	<b>1.03</b>
<b>OECD<sup>3</sup></b>	<b>60 355</b>	<b>63 601</b>	<b>1.52</b>	<b>0.64</b>	<b>54 787</b>	<b>58 123</b>	<b>1.41</b>	<b>0.70</b>
<b>BRICS</b>	<b>72 497</b>	<b>85 370</b>	<b>3.94</b>	<b>1.11</b>	<b>57 453</b>	<b>71 294</b>	<b>3.39</b>	<b>1.51</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.20.1. Protein meal projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>358 869</b>	<b>405 248</b>	<b>2.49</b>	<b>0.93</b>	<b>92 250</b>	<b>103 222</b>	<b>1.63</b>	<b>0.89</b>	<b>90 293</b>	<b>103 222</b>	<b>0.17</b>	<b>0.89</b>
<b>NORTH AMERICA</b>	57 703	66 769	2.45	1.22	5 113	4 777	1.10	-0.88	18 333	23 041	2.89	1.91
Canada	6 979	8 358	3.10	1.89	1 320	1 006	5.78	-3.79	5 267	5 847	4.26	1.05
United States	50 723	58 412	2.37	1.13	3 793	3 771	-0.24	0.06	13 065	17 194	2.40	2.22
<b>LATIN AMERICA</b>	82 830	96 754	0.85	1.03	10 383	12 199	2.14	1.39	47 426	56 034	-1.29	0.94
Argentina	29 562	36 737	-2.19	1.18	0	0	..	..	25 657	31 878	-2.82	1.37
Brazil	40 707	45 201	3.38	0.85	5	5	6.84	0.00	17 886	19 545	1.43	0.40
Chile	262	262	-1.59	0.47	1 143	1 326	-0.05	1.36	1	1	0.00	-0.13
Colombia	681	832	-0.11	1.34	1 814	2 328	6.25	2.08	160	131	7.07	-2.04
Mexico	5 635	6 012	5.00	1.16	1 828	2 034	-0.57	0.72	22	22	0.63	0.00
Paraguay	2 413	3 607	-3.29	1.64	2	2	-0.18	0.42	1 749	2 550	-5.14	1.24
Peru	315	320	0.10	0.84	1 503	2 100	5.47	3.42	5	5	0.00	-0.84
<b>EUROPE</b>	48 812	51 476	2.37	0.49	26 480	24 986	-0.93	-1.11	10 299	11 596	3.06	1.28
European Union <sup>1</sup>	29 045	28 845	1.19	0.05	21 449	20 099	-0.93	-1.32	2 192	2 285	1.49	1.74
United Kingdom	1 691	1 882	0.93	0.87	2 857	2 651	-0.64	-0.74	521	640	17.19	1.79
Russia	9 568	12 022	6.30	1.51	367	307	-5.82	0.25	2 759	3 938	4.32	2.27
Ukraine	6 720	6 771	2.47	0.52	27	25	-6.71	-0.17	4 417	4 311	1.91	0.31
<b>AFRICA</b>	10 997	12 443	6.04	0.95	4 179	5 980	-3.88	3.67	709	510	2.46	-3.08
Egypt	3 612	4 275	13.87	0.88	307	731	-18.76	11.55	5	5	10.79	-0.96
Ethiopia	107	129	1.56	2.63	20	26	22.34	-0.40	0	0	..	..
Nigeria	1 052	1 155	4.98	1.01	700	815	16.26	1.23	189	162	1.10	-1.22
South Africa	1 659	1 868	6.74	0.07	619	941	-4.87	5.16	52	48	6.91	-3.07
<b>ASIA</b>	157 390	176 651	3.27	0.90	42 874	51 392	4.18	1.74	13 452	11 964	0.31	-1.12
China <sup>2</sup>	92 127	102 158	3.27	0.76	5 132	6 444	27.64	1.77	852	798	-10.68	-0.44
India	22 886	26 504	2.91	1.43	628	754	14.81	3.66	2 537	1 614	1.55	-3.53
Indonesia	8 227	9 281	3.90	0.82	5 585	6 164	4.28	0.71	5 566	5 321	4.14	-0.71
Iran	2 174	2 495	10.42	1.18	2 155	2 266	0.63	0.91	7	5	-29.44	-0.09
Japan	3 573	3 396	1.02	-0.68	2 011	1 933	0.41	0.00	4	0	-27.29	0.00
Kazakhstan	461	568	4.50	1.24	78	81	48.25	0.02	202	194	11.62	-0.02
Korea	1 183	1 211	-0.04	0.04	3 325	3 435	-0.90	0.24	23	30	-22.06	0.00
Malaysia	3 297	3 766	0.71	0.87	1 426	1 505	0.79	0.36	2 541	2 479	-0.11	-0.36
Pakistan	3 828	4 483	2.15	1.51	467	1 241	-7.77	11.68	66	50	-12.38	-3.30
Philippines	1 195	1 341	3.94	0.66	3 242	4 009	4.02	1.49	396	365	0.40	-1.47
Saudi Arabia	609	754	6.64	1.30	1 630	2 009	8.29	2.19	14	24	33.66	-0.80
Thailand	3 558	4 467	8.12	1.22	3 368	4 018	0.81	1.82	12	12	8.12	-0.17
Türkiye	4 540	5 321	4.44	1.08	2 240	2 909	3.27	2.87	203	144	7.50	-2.48
Viet Nam	1 797	2 192	4.00	1.60	6 076	7 754	4.28	2.42	70	51	-2.69	-1.84
<b>OCEANIA</b>	1 137	1 154	1.19	0.41	3 221	3 888	2.71	1.47	75	77	-4.90	-0.61
Australia	1 005	1 007	1.18	0.34	956	1 294	4.94	2.92	21	25	-12.24	0.00
New Zealand	8	8	-0.01	0.00	2 255	2 584	1.84	0.81	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>114 619</b>	<b>126 461</b>	<b>2.39</b>	<b>0.83</b>	<b>38 520</b>	<b>38 057</b>	<b>-0.24</b>	<b>-0.53</b>	<b>28 924</b>	<b>34 908</b>	<b>2.96</b>	<b>1.68</b>
<b>DEVELOPING COUNTRIES</b>	<b>244 250</b>	<b>278 787</b>	<b>2.54</b>	<b>0.97</b>	<b>53 730</b>	<b>65 165</b>	<b>3.17</b>	<b>1.83</b>	<b>61 369</b>	<b>68 314</b>	<b>-0.97</b>	<b>0.51</b>
LEAST DEVELOPED COUNTRIES (LDC)	5 097	5 879	3.75	1.45	1 503	2 415	11.62	4.56	361	216	2.73	-4.46
<b>OECD<sup>3</sup></b>	<b>105 827</b>	<b>116 118</b>	<b>2.14</b>	<b>0.82</b>	<b>46 706</b>	<b>47 332</b>	<b>0.15</b>	<b>-0.24</b>	<b>21 586</b>	<b>26 423</b>	<b>2.86</b>	<b>1.83</b>
<b>BRICS</b>	<b>166 947</b>	<b>187 753</b>	<b>3.42</b>	<b>0.91</b>	<b>6 751</b>	<b>8 451</b>	<b>14.45</b>	<b>2.19</b>	<b>24 085</b>	<b>25 943</b>	<b>0.77</b>	<b>0.32</b>

.. Not available

Note: Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

## ANNEX C

**Table C.20.2. Protein meal projections: Consumption**

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>360 530</b>	<b>405 164</b>	<b>2.90</b>	<b>0.95</b>
<b>NORTH AMERICA</b>	<b>44 470</b>	<b>48 503</b>	<b>2.13</b>	<b>0.69</b>
Canada	3 008	3 515	2.16	1.21
United States	41 462	44 988	2.13	0.65
<b>LATIN AMERICA</b>	<b>46 118</b>	<b>52 899</b>	<b>3.82</b>	<b>1.34</b>
Argentina	4 206	4 859	1.88	1.21
Brazil	22 826	25 661	5.33	1.21
Chile	1 401	1 587	-0.58	1.25
Colombia	2 329	3 026	4.15	2.14
Mexico	7 439	8 024	3.36	1.05
Paraguay	712	1 050	3.10	2.95
Peru	1 806	2 412	4.40	3.10
<b>EUROPE</b>	<b>64 832</b>	<b>64 859</b>	<b>0.81</b>	<b>-0.28</b>
European Union <sup>1</sup>	48 301	46 660	0.19	-0.64
United Kingdom	4 027	3 892	-1.32	-0.38
Russia	7 002	8 391	6.15	1.13
Ukraine	2 341	2 479	3.41	0.89
<b>AFRICA</b>	<b>14 502</b>	<b>17 907</b>	<b>2.44</b>	<b>1.94</b>
Egypt	3 922	4 999	4.95	1.95
Ethiopia	127	156	3.33	2.04
Nigeria	1 562	1 807	9.53	1.35
South Africa	2 216	2 759	1.89	1.62
<b>ASIA</b>	<b>186 337</b>	<b>216 030</b>	<b>3.73</b>	<b>1.22</b>
China <sup>2</sup>	96 072	107 802	4.19	0.83
India	20 834	25 633	3.55	1.91
Indonesia	8 211	10 120	3.71	1.65
Iran	4 318	4 755	4.36	1.05
Japan	5 583	5 329	0.84	-0.44
Kazakhstan	333	454	4.24	1.64
Korea	4 488	4 616	-0.31	0.19
Malaysia	2 197	2 790	1.77	1.79
Pakistan	4 234	5 670	1.12	3.14
Philippines	4 015	4 983	4.43	1.51
Saudi Arabia	2 254	2 739	8.04	1.97
Thailand	6 911	8 471	3.70	1.52
Türkiye	6 602	8 074	3.99	1.78
Viet Nam	7 816	9 892	4.26	2.27
<b>OCEANIA</b>	<b>4 272</b>	<b>4 966</b>	<b>2.43</b>	<b>1.31</b>
Australia	1 928	2 276	3.38	1.88
New Zealand	2 263	2 592	1.72	0.81
<b>DEVELOPED COUNTRIES</b>	<b>124 021</b>	<b>129 599</b>	<b>1.38</b>	<b>0.21</b>
<b>DEVELOPING COUNTRIES</b>	<b>236 509</b>	<b>275 565</b>	<b>3.78</b>	<b>1.31</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>6 226</b>	<b>8 074</b>	<b>5.28</b>	<b>2.53</b>
<b>OECD<sup>3</sup></b>	<b>130 942</b>	<b>137 009</b>	<b>1.29</b>	<b>0.27</b>
<b>BRICS</b>	<b>148 950</b>	<b>170 246</b>	<b>4.30</b>	<b>1.07</b>

Note: Average 2020-22est; Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



Table C.21.1. Vegetable oil projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>217 271</b>	<b>243 867</b>	<b>2.80</b>	<b>0.91</b>	<b>83 184</b>	<b>88 728</b>	<b>1.66</b>	<b>0.57</b>	<b>82 676</b>	<b>88 728</b>	<b>1.45</b>	<b>0.57</b>
<b>NORTH AMERICA</b>	18 407	20 842	2.74	1.15	5 360	5 665	3.20	0.53	4 368	5 116	1.59	2.59
Canada	4 571	4 995	3.17	1.25	377	297	4.01	-2.86	3 326	3 513	3.32	0.89
United States	13 836	15 847	2.60	1.12	4 982	5 367	3.15	0.75	1 042	1 603	-3.62	7.55
<b>LATIN AMERICA</b>	27 837	32 955	1.91	1.21	4 806	4 940	0.83	0.23	10 537	12 483	0.13	1.11
Argentina	8 177	9 775	-1.14	1.06	17	17	0.00	-0.02	5 600	6 646	-0.72	1.18
Brazil	10 835	12 366	3.81	1.09	675	713	4.07	0.74	1 304	1 487	-2.94	1.41
Chile	112	114	0.27	0.37	475	511	2.54	0.46	1	1	0.00	-0.07
Colombia	2 074	2 911	4.95	2.62	549	401	-0.60	-2.64	748	1 101	8.05	2.71
Mexico	2 206	2 530	3.96	1.24	1 001	1 077	1.96	0.53	79	92	6.21	0.00
Paraguay	605	886	-2.99	1.58	13	10	0.00	-1.48	510	761	-3.36	1.50
Peru	290	318	2.76	1.05	648	772	5.12	1.50	1	0	0.06	-0.12
<b>EUROPE</b>	31 183	33 204	2.75	0.73	13 753	11 110	1.04	-2.10	13 820	14 876	5.66	0.77
European Union <sup>1</sup>	16 314	16 618	1.35	0.44	10 123	7 459	0.63	-3.12	2 454	2 372	0.59	-0.01
United Kingdom	1 105	1 274	0.80	1.09	1 129	1 042	0.74	0.09	256	294	-0.31	2.08
Russia	6 910	8 474	6.75	1.50	1 238	1 291	3.67	0.44	5 318	6 532	14.00	1.47
Ukraine	5 934	5 851	2.64	0.47	276	281	-0.13	-0.30	5 260	5 135	2.70	0.30
<b>AFRICA</b>	9 054	10 210	3.46	1.03	10 979	14 952	0.70	2.67	1 558	1 257	1.78	-2.28
Egypt	883	1 071	12.48	0.97	1 708	2 129	-1.52	1.56	131	112	-8.35	-1.54
Ethiopia	58	70	0.93	2.56	494	702	1.42	3.02	0	0	..	..
Nigeria	2 060	2 356	4.82	1.14	1 169	2 087	-3.29	4.46	39	56	-11.07	-1.43
South Africa	623	696	4.36	0.04	797	1 005	0.05	1.86	18	17	-16.49	-1.09
<b>ASIA</b>	129 240	144 997	2.98	0.84	47 927	51 677	2.00	0.71	51 428	53 955	0.74	0.30
China <sup>2</sup>	28 273	32 296	2.75	0.91	9 911	7 497	2.20	-1.56	167	175	-5.73	0.00
India	10 948	12 675	2.70	1.43	14 278	17 500	0.83	1.50	215	197	10.09	-0.69
Indonesia	52 473	58 154	4.85	0.68	134	130	6.75	-0.01	29 955	31 717	1.50	0.43
Iran	647	726	8.89	0.97	1 776	1 867	3.60	0.66	93	53	-15.34	-0.66
Japan	1 515	1 518	0.21	-0.36	820	743	0.46	-0.49	6	5	13.15	0.00
Kazakhstan	314	402	4.53	1.36	111	99	3.84	-0.98	109	83	16.19	0.99
Korea	293	299	-0.04	0.03	1 292	1 267	5.18	-0.54	3	3	-0.75	0.00
Malaysia	20 577	22 688	-0.54	0.74	2 038	1 884	5.50	-0.50	17 065	18 411	-0.76	0.50
Pakistan	1 621	1 942	-1.09	1.43	3 269	3 527	2.24	0.29	33	20	-17.02	-0.13
Philippines	2 010	2 206	2.85	0.47	1 392	1 594	6.86	1.82	986	854	2.59	-1.79
Saudi Arabia	140	173	6.54	1.29	810	986	5.02	1.52	36	30	-4.57	-1.50
Thailand	4 128	4 884	6.42	1.23	301	487	2.43	4.76	815	525	13.95	-4.54
Türkiye	2 087	2 416	3.63	1.07	1 748	1 834	1.67	0.30	629	660	-0.13	-0.30
Viet Nam	713	832	3.52	1.41	1 178	1 408	5.03	1.29	141	112	1.50	-1.27
<b>OCEANIA</b>	1 550	1 658	3.42	0.63	359	384	2.20	0.81	965	1 041	2.62	0.49
Australia	569	561	2.09	0.36	246	265	2.75	0.92	204	191	3.03	0.00
New Zealand	5	5	-0.01	0.00	85	93	1.82	0.92	0	0	..	..
<b>DEVELOPED COUNTRIES</b>	<b>53 454</b>	<b>58 060</b>	<b>2.64</b>	<b>0.84</b>	<b>21 746</b>	<b>19 752</b>	<b>1.61</b>	<b>-0.97</b>	<b>18 553</b>	<b>20 306</b>	<b>4.52</b>	<b>1.19</b>
<b>DEVELOPING COUNTRIES</b>	<b>163 817</b>	<b>185 807</b>	<b>2.86</b>	<b>0.93</b>	<b>61 438</b>	<b>68 976</b>	<b>1.67</b>	<b>1.05</b>	<b>64 123</b>	<b>68 422</b>	<b>0.68</b>	<b>0.39</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	4 005	4 457	1.85	1.18	6 945	9 513	1.81	2.90	565	383	5.66	-3.67
<b>OECD<sup>3</sup></b>	<b>44 932</b>	<b>49 364</b>	<b>2.21</b>	<b>0.92</b>	<b>23 691</b>	<b>21 281</b>	<b>1.72</b>	<b>-1.06</b>	<b>8 891</b>	<b>9 985</b>	<b>1.64</b>	<b>1.60</b>
<b>BRICS</b>	<b>57 589</b>	<b>66 507</b>	<b>3.37</b>	<b>1.10</b>	<b>26 899</b>	<b>28 005</b>	<b>1.47</b>	<b>0.54</b>	<b>7 023</b>	<b>8 408</b>	<b>7.68</b>	<b>1.37</b>

.. Not available

Note: Average 2020-22est: Data for 2022 are estimated.

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2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

Table C.21.2. Vegetable oil projections: Consumption, food

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>216 937</b>	<b>243 701</b>	<b>2.90</b>	<b>0.90</b>	<b>16.0</b>	<b>16.1</b>	<b>0.80</b>	<b>0.14</b>
<b>NORTH AMERICA</b>	19 331	21 397	3.24	0.66	39.8	36.6	1.22	-0.40
Canada	1 564	1 786	4.14	0.94	35.5	35.6	2.86	-0.32
United States	17 766	19 611	3.16	0.63	40.3	36.8	1.08	-0.41
<b>LATIN AMERICA</b>	22 120	25 406	2.44	1.07	17.6	18.2	-0.09	0.26
Argentina	2 595	3 145	-2.18	0.80	19.0	20.5	0.75	0.67
Brazil	10 223	11 591	4.73	1.02	22.6	22.6	-0.91	-0.09
Chile	588	624	2.14	0.45	8.6	8.9	1.04	0.38
Colombia	1 858	2 209	2.15	1.41	13.1	14.7	-0.05	0.90
Mexico	3 128	3 515	3.30	1.05	23.4	24.6	2.30	0.40
Paraguay	103	134	-3.94	1.84	12.2	14.8	-4.96	0.94
Peru	941	1 089	4.39	1.37	10.1	10.8	1.92	0.83
<b>EUROPE</b>	31 074	29 437	0.99	-0.45	21.9	21.4	0.94	-0.05
European Union <sup>1</sup>	24 000	21 704	1.23	-0.89	24.1	21.7	1.59	-0.69
United Kingdom	1 978	2 022	0.94	0.43	28.9	28.6	0.85	0.14
Russia	2 777	3 232	-1.96	1.13	18.5	22.3	-2.07	1.43
Ukraine	938	996	2.00	1.20	9.2	10.5	3.20	1.94
<b>AFRICA</b>	18 509	23 897	1.89	2.26	7.7	8.3	-1.94	0.79
Egypt	2 465	3 086	2.60	1.48	5.6	6.6	-1.68	0.91
Ethiopia	552	773	1.38	2.98	2.6	3.1	-2.63	1.72
Nigeria	3 185	4 385	1.51	2.64	9.4	10.4	-1.77	0.61
South Africa	1 404	1 684	2.31	1.10	14.5	16.1	-3.50	0.60
<b>ASIA</b>	124 994	142 565	3.62	1.00	15.3	16.1	1.59	0.47
China <sup>2</sup>	38 236	39 593	2.75	0.39	26.0	27.2	2.38	0.52
India	24 954	29 968	1.59	1.48	9.9	11.0	0.90	1.01
Indonesia	22 058	26 488	10.90	0.97	10.3	12.2	5.19	1.09
Iran	2 295	2 538	5.03	0.79	13.6	14.1	5.35	0.30
Japan	2 304	2 256	0.34	-0.40	18.2	19.0	0.67	0.17
Kazakhstan	322	418	2.61	0.86	14.1	16.6	2.16	0.12
Korea	1 592	1 563	4.26	-0.40	17.9	18.4	4.34	0.21
Malaysia	5 298	6 138	2.30	1.06	9.6	9.9	0.88	0.12
Pakistan	4 875	5 448	1.26	0.69	4.2	4.2	-7.17	0.24
Philippines	2 330	2 940	4.75	2.05	13.7	15.5	4.05	1.19
Saudi Arabia	911	1 128	5.94	1.61	19.7	22.1	3.62	0.81
Thailand	3 713	4 845	5.70	2.47	11.0	12.1	4.77	1.06
Türkiye	3 175	3 588	3.22	0.93	16.5	17.9	0.02	0.85
Viet Nam	1 763	2 127	4.84	1.50	5.0	6.2	4.35	1.81
<b>OCEANIA</b>	911	1 000	3.41	0.92	17.0	16.6	0.29	-0.11
Australia	603	636	2.01	0.77	22.8	22.2	0.55	-0.13
New Zealand	90	98	1.72	0.87	16.8	16.8	-0.06	0.19
<b>DEVELOPED COUNTRIES</b>	<b>56 516</b>	<b>57 509</b>	<b>1.77</b>	<b>0.07</b>	<b>25.3</b>	<b>24.5</b>	<b>0.94</b>	<b>-0.10</b>
<b>DEVELOPING COUNTRIES</b>	<b>160 422</b>	<b>186 192</b>	<b>3.32</b>	<b>1.18</b>	<b>13.9</b>	<b>14.3</b>	<b>0.88</b>	<b>0.33</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>10 385</b>	<b>13 584</b>	<b>1.75</b>	<b>2.55</b>	<b>7.0</b>	<b>7.8</b>	<b>-1.30</b>	<b>1.24</b>
<b>OECD<sup>3</sup></b>	<b>59 616</b>	<b>60 663</b>	<b>2.19</b>	<b>0.07</b>	<b>26.6</b>	<b>25.4</b>	<b>1.41</b>	<b>-0.18</b>
<b>BRICS</b>	<b>77 594</b>	<b>86 067</b>	<b>2.39</b>	<b>0.89</b>	<b>18.3</b>	<b>19.1</b>	<b>1.27</b>	<b>0.46</b>

Note: Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.22. Main policy assumptions for oilseed markets

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ARGENTINA</b>												
Export tax												
Soybean	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Other oilseeds	%	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Soybean meal	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Soybean oil	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
<b>CANADA</b>												
Tariffs												
Palm oil	%	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
<b>EUROPEAN UNION<sup>1,2</sup></b>												
Voluntary coupled support												
Soybean	mIn EUR	37	36	36	36	37	38	39	40	41	41	41
Tariffs												
Soybean oil	%	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Rapeseed oil	%	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
<b>KOREA</b>												
Soybean tariff-quota	kt	1 200	1 200	1 200	1 200	1 200	1 200	1 200	1 200	1 200	1 200	1 200
In-quota tariff	%	3	3	3	3	3	3	3	3	3	3	3
Out-of-quota tariff	%	487	487	487	487	487	487	487	487	487	487	487
Soybean (for food) mark up	'000 KRW/t	131	131	131	131	131	131	131	131	131	131	132
<b>MEXICO</b>												
Tariffs												
Soybean	%	33	33	33	33	33	33	33	33	33	33	33
Soybean meal	%	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
Soybean oil	%	45	45	45	45	45	45	45	45	45	45	45
<b>UNITED STATES</b>												
ARC participation rate												
Soybean	%	51.1	50.5	50.5	50.8	51.2	51.2	50.8	50.5	50.5	50.5	50.5
Soybean loan rate	USD/t	227.8	227.8	227.8	227.8	227.8	227.8	227.8	227.8	227.8	227.8	229.8
Tariffs												
Rapeseed	%	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Soybean meal	%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Soybean oil	%	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
Rapeseed oil	%	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
<b>CHINA</b>												
Tariffs												
Soybean	%	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Soybean meal	%	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Soybean oil in-quota tariff	%	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Vegetable oil tariff-quota	kt	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1	7 998.1
<b>INDIA</b>												
Soybean tariff	%	40.1	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Rapeseed tariff	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Soybean meal tariff	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Soybean oil tariff	%	24.5	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
<b>INDONESIA</b>												
Protein meal tariff	%	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
<b>PAKISTAN</b>												
Protein meal tariff	%	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
<b>VIET NAM</b>												
Protein meal tariff	%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. The sources for tariffs and Tariff Rate Quotas are the national questionnaire reply, UNCTAD and WTO.

1. Since 2015 the Basic payment scheme (BPS) holds, which shall account for 68% maximum of the national direct payment envelopes. On top of this, compulsory policy instruments have been introduced: the Green Payment (30%) and young farmer scheme (2%).
2. Refers to all current European Union member States.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.23.1. Sugar projections: Production and trade**

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>175 491</b>	<b>197 849</b>	<b>0.55</b>	<b>0.88</b>	<b>60 725</b>	<b>71 614</b>	<b>0.58</b>	<b>1.53</b>	<b>64 287</b>	<b>75 176</b>	<b>0.74</b>	<b>1.46</b>
<b>NORTH AMERICA</b>	7 820	8 510	0.98	0.72	4 177	3 663	-0.06	-0.73	159	121	-0.76	0.00
Canada	121	119	3.36	0.08	1 323	1 278	1.86	0.56	120	91	21.72	0.00
United States	7 699	8 390	0.95	0.73	2 854	2 384	-0.85	-1.35	39	30	-16.35	0.00
<b>LATIN AMERICA</b>	56 249	64 632	-0.40	1.14	2 254	2 756	0.40	0.75	34 482	41 061	0.14	1.84
Argentina	1 559	1 826	-2.40	1.70	0	0	..	..	229	532	0.55	7.61
Brazil	37 194	45 066	0.16	1.69	0	0	-74.20	..	28 038	34 293	1.00	2.16
Chile	122	121	-9.17	0.96	589	619	2.99	-0.82	0	0	..	..
Colombia	2 149	2 012	-1.01	-1.07	214	249	8.91	2.79	566	446	-3.34	-2.72
Mexico	5 800	6 181	-0.73	-0.04	44	34	20.22	0.52	1 637	2 031	-1.24	0.28
Paraguay	142	96	-3.07	-1.60	83	117	236.52	1.58	86	65	4.07	-1.55
Peru	1 168	1 008	0.53	-0.86	286	620	1.95	3.80	108	44	0.23	-3.65
<b>EUROPE</b>	24 358	25 271	0.51	0.19	3 485	3 089	-8.64	0.23	1 658	2 905	-7.15	6.86
European Union <sup>1</sup>	15 270	15 532	0.84	-0.19	1 864	1 856	-9.65	1.20	847	1 652	-10.46	10.05
United Kingdom	893	1 018	-3.65	-0.05	652	579	-4.66	-0.84	43	64	-24.31	-2.14
Russia	5 780	6 101	2.67	0.61	191	47	-18.14	-1.37	324	730	59.14	6.32
Ukraine	1 242	1 223	-4.82	3.11	64	0	-24.92	-21.75	82	29	5.04	0.84
<b>AFRICA</b>	10 828	12 206	0.71	1.56	14 922	19 810	2.49	2.23	5 102	4 283	1.54	-0.89
Egypt	2 480	2 585	1.71	1.88	1 061	1 654	-3.94	1.79	342	147	3.78	-1.76
Ethiopia	413	468	0.58	1.88	319	532	20.89	4.23	37	33	173.99	-1.71
Nigeria	19	0	9.62	..	1 572	2 221	1.44	2.04	0	0	-41.96	..
South Africa	1 925	2 237	1.03	1.35	319	293	-7.67	-2.98	561	719	8.83	3.07
<b>ASIA</b>	71 896	82 672	1.44	0.86	35 573	41 965	1.37	1.61	19 664	23 355	3.40	1.00
China <sup>2</sup>	10 037	10 606	-1.75	0.66	6 368	7 146	2.17	3.10	88	70	2.97	0.00
India	34 352	37 900	4.43	0.72	703	612	-13.29	2.47	8 250	7 858	17.68	1.48
Indonesia	2 391	2 839	-0.27	1.93	5 316	7 855	5.58	2.61	86	0	25.62	..
Iran	1 354	1 199	-1.16	0.24	1 094	1 337	7.10	0.58	0	0	-78.37	..
Japan	705	646	-0.31	0.07	1 350	1 137	0.59	-0.91	4	5	19.37	0.00
Kazakhstan	49	0	35.80	..	457	559	0.01	0.70	5	0	-38.66	..
Korea	0	0	..	..	1 921	2 053	0.51	-0.02	309	463	-0.08	-0.05
Malaysia	0	0	-73.41	..	2 128	2 349	0.85	0.63	184	132	-4.98	-0.62
Pakistan	6 672	7 107	2.66	1.05	171	178	23.96	11.12	399	146	-9.86	-10.01
Philippines	2 005	2 293	-2.44	2.08	308	389	691.41	-1.44	114	143	-3.61	1.40
Saudi Arabia	0	0	..	..	1 714	1 911	3.97	0.40	460	457	11.20	-0.39
Thailand	9 703	14 687	-1.50	0.61	0	0	..	..	6 901	11 821	0.28	1.22
Türkiye	2 704	3 334	2.51	2.33	228	143	24.55	-6.09	282	506	43.81	6.50
Viet Nam	811	877	-8.40	0.80	1 606	1 865	28.63	1.85	216	121	7.53	-1.81
<b>OCEANIA</b>	4 340	4 559	-1.43	0.25	314	331	-2.69	0.12	3 222	3 451	-3.13	-0.06
Australia	4 146	4 360	-1.30	0.23	17	20	-22.53	0.00	3 082	3 341	-2.96	-0.03
New Zealand	0	0	..	..	229	222	-0.87	-0.15	22	20	-1.55	0.00
<b>DEVELOPED COUNTRIES</b>	<b>39 123</b>	<b>41 151</b>	<b>0.42</b>	<b>0.37</b>	<b>12 156</b>	<b>11 395</b>	<b>-3.45</b>	<b>-0.15</b>	<b>5 732</b>	<b>7 289</b>	<b>-4.09</b>	<b>2.54</b>
<b>DEVELOPING COUNTRIES</b>	<b>136 367</b>	<b>156 698</b>	<b>0.60</b>	<b>1.02</b>	<b>48 568</b>	<b>60 219</b>	<b>1.85</b>	<b>1.89</b>	<b>58 555</b>	<b>67 887</b>	<b>1.33</b>	<b>1.34</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	3 883	4 964	1.11	2.09	9 365	12 564	1.51	3.11	2 442	1 814	-5.76	-0.96
<b>OECD<sup>3</sup></b>	<b>39 825</b>	<b>41 958</b>	<b>0.17</b>	<b>0.21</b>	<b>12 014</b>	<b>11 367</b>	<b>-2.22</b>	<b>-0.25</b>	<b>6 956</b>	<b>8 656</b>	<b>-3.74</b>	<b>1.55</b>
<b>BRICS</b>	<b>89 288</b>	<b>101 910</b>	<b>1.52</b>	<b>1.14</b>	<b>7 580</b>	<b>8 098</b>	<b>-1.99</b>	<b>2.72</b>	<b>37 262</b>	<b>43 670</b>	<b>3.63</b>	<b>2.10</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. Sugar data are expressed on a t equivalent basis.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.23.2. Sugar projections: Consumption, per capita

Marketing year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		PER CAPITA (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>171 723</b>	<b>193 144</b>	<b>0.67</b>	<b>1.07</b>	<b>21.7</b>	<b>22.2</b>	<b>-0.42</b>	<b>0.23</b>
<b>NORTH AMERICA</b>	11 753	12 045	0.53	0.24	30.9	29.9	-0.20	-0.29
Canada	1 301	1 305	1.37	0.21	31.6	29.3	0.08	-0.57
United States	10 452	10 739	0.43	0.24	30.8	30.0	-0.23	-0.25
<b>LATIN AMERICA</b>	25 297	26 140	-0.61	0.28	38.3	36.7	-1.50	-0.38
Argentina	1 339	1 301	-2.97	0.07	29.1	26.6	-3.80	-0.50
Brazil	10 342	10 673	-1.07	0.32	47.8	46.9	-1.81	-0.14
Chile	741	734	-0.51	-0.04	38.4	37.2	-1.61	-0.25
Colombia	1 775	1 813	0.54	0.03	34.4	33.4	-0.70	-0.46
Mexico	4 151	4 173	-0.47	-0.26	32.3	30.3	-1.41	-0.89
Paraguay	138	148	0.84	0.81	19.0	18.1	-0.42	-0.21
Peru	1 403	1 570	2.13	1.06	41.8	42.6	0.65	0.22
<b>EUROPE</b>	26 495	25 567	-0.63	-0.22	35.1	34.3	-0.70	-0.06
European Union <sup>1</sup>	16 576	15 770	-0.47	-0.42	36.8	35.3	-0.55	-0.28
United Kingdom	1 534	1 534	-1.47	-0.06	22.5	21.8	-1.72	-0.35
Russia	5 766	5 551	0.67	-0.40	39.4	39.2	0.59	-0.10
Ukraine	1 065	1 145	-7.26	3.17	24.3	28.2	-6.79	3.90
<b>AFRICA</b>	20 577	27 458	1.89	2.62	14.9	15.5	-0.65	0.33
Egypt	3 233	4 022	-0.26	2.17	30.8	32.0	-2.27	0.57
Ethiopia	665	931	5.11	3.61	5.5	6.0	2.46	1.34
Nigeria	1 580	2 207	1.51	2.53	7.2	7.7	-1.18	0.11
South Africa	1 697	1 787	-1.87	0.56	28.1	26.5	-3.23	-0.42
<b>ASIA</b>	86 159	100 510	1.25	1.36	18.3	20.0	0.32	0.79
China <sup>2</sup>	15 520	17 697	0.15	1.41	10.4	12.0	-0.25	1.53
India	26 850	30 326	1.20	0.97	18.9	19.5	0.06	0.17
Indonesia	7 639	10 673	3.11	2.38	27.4	34.8	1.95	1.54
Iran	2 393	2 524	-0.30	0.65	27.9	26.6	-1.62	-0.21
Japan	1 945	1 778	-1.40	-0.57	15.5	15.1	-1.08	0.00
Kazakhstan	493	554	0.47	0.96	25.8	26.3	-0.87	0.10
Korea	1 594	1 606	0.56	-0.05	30.5	31.2	0.19	0.11
Malaysia	1 914	2 184	1.97	1.17	58.3	59.4	0.63	0.17
Pakistan	5 688	7 030	2.44	1.94	25.1	25.8	0.38	0.28
Philippines	2 168	2 534	-0.13	1.41	19.3	19.9	-1.59	0.26
Saudi Arabia	1 269	1 441	1.54	1.07	35.7	35.8	-0.39	-0.02
Thailand	2 775	2 820	-0.17	0.12	39.6	40.1	-0.49	0.11
Türkiye	2 556	2 927	1.83	1.09	29.8	32.2	0.45	0.53
Viet Nam	2 183	2 605	4.59	1.82	22.0	24.5	3.56	1.22
<b>OCEANIA</b>	1 441	1 424	0.73	0.26	33.5	29.2	-0.86	-0.83
Australia	1 097	1 031	0.65	-0.08	42.0	35.5	-0.78	-0.97
New Zealand	210	203	-0.64	-0.12	40.6	36.2	-2.41	-0.81
<b>DEVELOPED COUNTRIES</b>	<b>45 710</b>	<b>45 306</b>	<b>-0.30</b>	<b>0.01</b>	<b>31.4</b>	<b>30.6</b>	<b>-0.68</b>	<b>-0.14</b>
<b>DEVELOPING COUNTRIES</b>	<b>126 012</b>	<b>147 839</b>	<b>1.05</b>	<b>1.42</b>	<b>19.5</b>	<b>20.5</b>	<b>-0.23</b>	<b>0.43</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>10 816</b>	<b>15 560</b>	<b>3.57</b>	<b>3.40</b>	<b>11.8</b>	<b>13.4</b>	<b>1.20</b>	<b>1.23</b>
<b>OECD<sup>3</sup></b>	<b>44 878</b>	<b>44 638</b>	<b>-0.09</b>	<b>-0.05</b>	<b>31.7</b>	<b>30.8</b>	<b>-0.58</b>	<b>-0.26</b>
<b>BRICS</b>	<b>60 175</b>	<b>66 033</b>	<b>0.37</b>	<b>0.84</b>	<b>18.2</b>	<b>19.2</b>	<b>-0.37</b>	<b>0.50</b>

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. Sugar data are expressed on a t equivalent basis.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.24. Main policy assumptions for sugar markets**

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ARGENTINA</b>												
Tariff, sugar	ARS/t	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
<b>BRAZIL</b>												
Tariff, raw sugar	%	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Tariff, white sugar	%	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
<b>CANADA</b>												
Tariff, raw sugar	CAD/t	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
Tariff, white sugar	CAD/t	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
<b>CHINA<sup>1</sup></b>												
TRQ sugar	kt	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0	1 954.0
In-quota tariff, raw sugar	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Tariff, over-quota	%	57.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
<b>EUROPEAN UNION<sup>2</sup></b>												
Voluntary coupled support												
Sugarbeet <sup>3</sup>	min EUR	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3
Tariff, raw sugar	EUR/t	339.0	339.0	339.0	339.0	339.0	339.0	339.0	339.0	339.0	339.0	339.0
Tariff, white sugar	EUR/t	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	420.0
<b>INDIA</b>												
Tariff, sugar	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>INDONESIA</b>												
Tariff, sugar	%	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
<b>JAPAN</b>												
Minimum stabilisation price, raw sugar	JPY/kg	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
Tariff, raw sugar	JPY/kg	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
Tariff, white sugar	JPY/kg	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1
<b>KOREA</b>												
Tariff, raw sugar	%	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Tariff, white sugar	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
<b>RUSSIA</b>												
Minimum tariff, raw sugar	USD/t	150.3	171.0	203.0	240.0	240.0	240.0	240.0	240.0	203.0	203.0	203.0
Minimum tariff, white sugar	USD/t	340.0	340.0	340.0	340.0	340.0	340.0	340.0	340.0	340.0	340.0	340.0
<b>UNITED STATES</b>												
Loan rate, raw sugar	USD/t	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4
Loan rate, white sugar	USD/t	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1	531.1
TRQ, raw sugar	kt rse	1 518	1 477	1 481	1 484	1 487	1 491	1 494	1 498	1 498	1 499	1 500
Raw sugar 2nd tier WTO tariff	USD/t	338.7	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
White sugar 2nd tier WTO tariff	USD/t	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
<b>VIET NAM</b>												
Tariff, sugar	%	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated. The sources for tariffs and Tariff Rate Quotas are the national questionnaire reply, UNCTAD and WTO.

1. Refers to mainland only.
2. Refers to all current European Union member States.
3. Implemented in 11 Member States.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.25.1. Meat projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) <sup>4</sup>		Growth (%) <sup>5</sup>		IMPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>		EXPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>340 775</b>	<b>382 080</b>	<b>1.34</b>	<b>0.95</b>	<b>38 709</b>	<b>41 557</b>	<b>3.83</b>	<b>0.71</b>	<b>40 392</b>	<b>41 554</b>	<b>3.05</b>	<b>0.69</b>
<b>NORTH AMERICA</b>	52 927	55 780	2.03	0.44	2 979	3 200	2.16	0.14	10 435	10 435	2.46	0.55
Canada	5 240	5 440	1.84	0.40	666	728	-0.82	1.08	2 305	2 239	3.19	0.48
United States	47 687	50 339	2.05	0.44	2 313	2 472	3.18	-0.12	8 130	8 196	2.27	0.57
<b>LATIN AMERICA</b>	55 817	63 302	1.63	1.16	5 309	5 908	3.99	0.50	11 445	12 564	4.51	1.27
Argentina	6 136	6 695	2.23	0.83	51	51	6.34	0.02	1 122	1 352	14.08	1.65
Brazil	28 267	30 555	1.31	0.79	94	84	1.13	-0.02	7 848	8 360	3.06	1.17
Chile	1 597	1 930	1.28	1.87	704	677	9.11	-0.10	474	505	6.66	1.18
Colombia	2 991	3 756	2.66	1.81	246	283	10.05	-0.03	54	71	10.60	3.97
Mexico	7 403	8 347	2.73	1.03	2 349	2 673	4.12	0.69	688	794	11.89	1.60
Paraguay	669	917	4.13	3.52	41	50	5.13	-0.10	407	574	2.47	3.50
Peru	2 152	2 799	3.48	2.38	115	126	12.66	1.66	1	2	-22.17	-0.16
<b>EUROPE</b>	64 378	63 119	1.40	-0.01	4 525	4 564	-3.54	-0.47	9 947	8 712	4.68	-0.08
European Union <sup>1</sup>	44 236	41 979	1.01	-0.28	1 365	1 483	-1.63	-0.80	7 368	6 184	3.97	-0.37
United Kingdom	4 151	4 275	1.72	0.33	1 494	1 727	-1.55	0.67	856	889	1.54	0.62
Russia	10 916	11 388	3.56	0.35	599	264	-14.16	-4.88	677	609	26.70	0.00
Ukraine	2 150	2 256	-0.46	1.52	384	322	3.73	-1.43	480	446	12.65	1.18
<b>AFRICA</b>	17 979	22 570	1.86	2.30	3 341	5 560	2.71	3.95	320	355	0.55	1.78
Egypt	2 093	2 919	0.64	3.26	346	507	-3.39	1.75	3	1	-8.73	-1.02
Ethiopia	795	931	3.12	2.25	1	1	0.11	7.44	15	14	-0.44	1.83
Nigeria	1 205	1 469	0.59	2.13	8	16	15.83	5.69	0	0	..	..
South Africa	3 530	4 272	1.76	1.64	487	478	-0.23	-0.46	154	235	-0.42	4.87
<b>ASIA</b>	143 372	170 404	0.97	1.26	22 013	21 656	6.70	0.38	5 304	6 074	1.63	0.79
China <sup>2</sup>	84 428	96 211	-0.11	0.63	8 733	6 652	21.62	-0.26	850	674	-0.86	-2.08
India	7 353	9 640	1.48	2.36	2	3	7.50	3.72	1 339	1 521	-3.68	0.32
Indonesia	4 581	5 731	7.21	2.08	271	418	17.80	2.06	3	3	-5.37	0.67
Iran	3 060	3 525	0.85	2.07	149	176	5.74	-6.92	61	36	-8.69	5.71
Japan	3 456	3 372	0.80	-0.23	3 056	3 023	2.15	-0.25	19	19	6.74	0.10
Kazakhstan	1 034	1 290	3.96	2.02	335	373	3.06	1.12	33	35	22.41	-0.50
Korea	2 738	2 793	2.19	0.30	1 444	1 621	5.79	0.17	70	53	10.03	-2.93
Malaysia	1 956	2 532	0.34	2.66	395	537	3.98	0.54	237	288	5.65	2.09
Pakistan	4 945	6 855	6.56	2.82	2	3	-12.63	0.60	79	64	3.89	-0.14
Philippines	2 873	4 201	-1.68	4.50	840	932	11.66	-0.21	8	9	-7.17	-0.34
Saudi Arabia	958	1 358	6.88	2.90	819	707	-4.64	-0.43	64	80	-0.66	0.82
Thailand	3 001	3 706	0.04	2.76	36	40	-3.71	-0.46	1 339	1 640	6.33	1.90
Türkiye	4 331	5 789	5.32	1.84	82	93	-4.48	0.29	818	1 289	6.72	2.43
Viet Nam	5 724	7 234	3.20	1.86	664	748	-4.75	2.47	24	21	0.90	0.44
<b>OCEANIA</b>	6 301	6 905	-0.33	0.72	542	669	1.89	1.67	2 941	3 415	-1.30	0.76
Australia	4 692	5 260	-0.78	0.83	334	408	1.02	1.88	1 834	2 321	-2.49	1.00
New Zealand	1 473	1 491	1.14	0.30	84	97	3.49	0.90	1 104	1 091	0.99	0.28
<b>DEVELOPED COUNTRIES</b>	<b>134 623</b>	<b>138 461</b>	<b>1.58</b>	<b>0.32</b>	<b>12 405</b>	<b>13 000</b>	<b>-0.24</b>	<b>-0.02</b>	<b>23 561</b>	<b>22 889</b>	<b>2.76</b>	<b>0.37</b>
<b>DEVELOPING COUNTRIES</b>	<b>206 152</b>	<b>243 619</b>	<b>1.18</b>	<b>1.33</b>	<b>26 305</b>	<b>28 557</b>	<b>6.38</b>	<b>1.06</b>	<b>16 831</b>	<b>18 665</b>	<b>3.46</b>	<b>1.09</b>
LEAST DEVELOPED COUNTRIES (LDC)	11 601	15 033	2.79	2.48	1 537	3 056	4.48	5.17	63	41	9.48	-1.97
<b>OECD<sup>3</sup></b>	<b>131 549</b>	<b>136 500</b>	<b>1.64</b>	<b>0.35</b>	<b>14 455</b>	<b>15 685</b>	<b>2.22</b>	<b>0.19</b>	<b>23 745</b>	<b>23 674</b>	<b>2.73</b>	<b>0.47</b>
<b>BRICS</b>	<b>134 493</b>	<b>152 066</b>	<b>0.58</b>	<b>0.77</b>	<b>9 915</b>	<b>7 481</b>	<b>11.14</b>	<b>-0.48</b>	<b>10 868</b>	<b>11 398</b>	<b>2.22</b>	<b>0.83</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Gross indigenous production.
5. Least-squares growth rate (see glossary).
6. Excludes trade of live animals.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

Table C.25.2. Meat projections: Consumption, food

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) <sup>4</sup>		FOOD (kg rwe/cap) <sup>5</sup>		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>338 837</b>	<b>381 894</b>	<b>1.40</b>	<b>0.95</b>	<b>28.1</b>	<b>28.8</b>	<b>0.17</b>	<b>0.08</b>
<b>NORTH AMERICA</b>	45 711	48 734	1.94	0.39	78.6	79.1	1.21	-0.14
Canada	3 272	3 619	1.21	0.56	54.9	55.6	0.01	-0.26
United States	42 439	45 114	2.00	0.38	81.3	81.9	1.32	-0.12
<b>LATIN AMERICA</b>	49 245	56 186	1.24	1.07	49.0	51.9	0.38	0.39
Argentina	5 065	5 394	0.63	0.63	71.2	71.2	-0.18	0.04
Brazil	20 406	22 159	0.72	0.65	65.0	67.2	0.08	0.20
Chile	1 807	2 082	2.44	1.37	61.3	69.0	1.32	1.15
Colombia	3 104	3 891	2.85	1.67	38.3	45.5	1.63	1.16
Mexico	8 887	10 025	2.71	0.88	44.1	46.3	1.77	0.22
Paraguay	299	388	6.63	3.04	27.1	31.4	5.54	2.00
Peru	2 266	2 922	3.88	2.35	41.2	48.4	2.35	1.47
<b>EUROPE</b>	58 682	58 752	0.45	-0.02	52.1	52.7	0.27	0.12
European Union <sup>1</sup>	37 937	37 032	0.39	-0.28	57.0	55.9	0.19	-0.15
United Kingdom	4 789	5 113	0.62	0.40	46.0	47.4	-0.17	0.09
Russia	10 848	11 058	0.80	0.20	48.9	51.5	0.75	0.49
Ukraine	2 053	2 136	-1.76	1.08	30.7	34.3	-1.26	1.78
<b>AFRICA</b>	21 019	27 860	2.05	2.63	9.6	9.9	-0.55	0.34
Egypt	2 478	3 475	-0.07	2.97	14.3	16.8	-2.23	1.33
Ethiopia	756	893	3.49	2.31	3.7	3.4	0.54	0.07
Nigeria	1 273	1 560	0.65	2.13	3.5	3.3	-2.20	-0.28
South Africa	3 786	4 440	1.24	1.28	39.6	41.5	-0.13	0.29
<b>ASIA</b>	160 547	186 371	1.58	1.16	22.3	24.3	0.43	0.54
China <sup>2</sup>	92 361	102 113	0.92	0.59	43.0	48.3	0.27	0.70
India	6 003	8 109	2.99	2.80	1.9	2.3	0.62	1.91
Indonesia	4 985	6 309	7.61	2.05	10.5	12.0	6.40	1.20
Iran	3 133	3 653	1.36	1.38	22.3	23.5	-0.02	0.51
Japan	6 484	6 379	1.40	-0.24	34.3	35.9	1.71	0.32
Kazakhstan	1 340	1 630	3.49	1.86	45.6	50.1	2.00	0.96
Korea	4 113	4 361	3.17	0.27	53.2	57.2	2.76	0.40
Malaysia	2 133	2 801	0.44	2.25	40.3	47.2	-0.86	1.21
Pakistan	4 858	6 785	6.58	2.85	13.4	15.6	4.51	1.17
Philippines	3 713	5 132	0.53	3.45	21.8	26.5	-1.20	2.33
Saudi Arabia	1 874	2 167	0.48	1.61	32.2	32.8	-1.42	0.50
Thailand	1 463	1 824	-4.72	3.05	13.9	17.2	-4.92	3.11
Türkiye	3 608	4 603	4.46	1.64	26.2	31.5	3.23	1.09
Viet Nam	6 381	7 979	2.02	1.92	44.4	51.8	0.91	1.29
<b>OCEANIA</b>	3 635	3 991	1.24	0.88	55.0	53.3	-0.39	-0.24
Australia	2 961	3 212	1.27	0.85	73.8	72.3	-0.20	-0.07
New Zealand	417	464	0.70	0.71	52.3	53.3	-1.15	0.00
<b>DEVELOPED COUNTRIES</b>	<b>123 156</b>	<b>128 388</b>	<b>1.17</b>	<b>0.28</b>	<b>56.0</b>	<b>57.1</b>	<b>0.71</b>	<b>0.11</b>
<b>DEVELOPING COUNTRIES</b>	<b>215 682</b>	<b>253 506</b>	<b>1.53</b>	<b>1.31</b>	<b>21.8</b>	<b>22.9</b>	<b>0.10</b>	<b>0.28</b>
LEAST DEVELOPED COUNTRIES (LDC)	13 073	18 102	3.12	2.91	9.2	10.1	0.75	0.75
<b>OECD<sup>3</sup></b>	<b>121 755</b>	<b>128 105</b>	<b>1.52</b>	<b>0.31</b>	<b>56.7</b>	<b>58.0</b>	<b>0.94</b>	<b>0.08</b>
<b>BRICS</b>	<b>133 404</b>	<b>147 879</b>	<b>0.98</b>	<b>0.70</b>	<b>27.0</b>	<b>28.8</b>	<b>0.06</b>	<b>0.31</b>

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).
5. Per capita consumption expressed in boneless retail weight. Carcass weight to boneless retail weight conversion factors are 0.67 for beef and veal, 0.73 for pig meat, 0.6 for poultry meat and 0.66 for sheep meat.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



Table C.26.1. Beef and veal projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) <sup>4</sup>		Growth (%) <sup>5</sup>		IMPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>		EXPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>71 211</b>	<b>77 812</b>	<b>0.97</b>	<b>0.86</b>	<b>11 293</b>	<b>13 448</b>	<b>3.74</b>	<b>1.27</b>	<b>11 798</b>	<b>13 563</b>	<b>2.66</b>	<b>1.26</b>
<b>NORTH AMERICA</b>	13 833	14 195	1.91	0.33	1 726	1 674	1.85	-0.42	2 039	2 178	4.57	1.07
Canada	1 560	1 592	1.99	0.23	204	219	-3.41	1.00	589	640	7.34	0.88
United States	12 274	12 603	1.91	0.34	1 521	1 455	2.79	-0.62	1 450	1 539	3.61	1.15
<b>LATIN AMERICA</b>	17 881	19 552	0.17	0.90	874	916	1.05	0.27	4 965	5 961	7.03	1.68
Argentina	3 074	3 233	1.75	0.63	7	7	0.00	-0.15	868	1 055	23.60	1.55
Brazil	8 415	8 935	-1.32	0.49	65	62	-0.89	0.00	2 507	2 993	4.46	1.72
Chile	231	274	0.04	1.81	391	420	7.77	0.79	24	24	19.69	-0.79
Colombia	825	842	-0.91	0.91	9	13	11.77	2.80	54	71	14.74	3.98
Mexico	2 103	2 174	2.01	0.72	124	112	-1.07	-0.38	374	457	11.30	2.42
Paraguay	554	767	3.52	3.62	7	7	14.09	-3.46	394	565	2.16	3.59
Peru	188	208	-0.37	0.82	10	8	6.98	-1.47	0	0	..	..
<b>EUROPE</b>	10 718	10 268	0.41	-0.33	1 115	972	-3.83	0.16	1 085	1 068	3.16	1.22
European Union <sup>1</sup>	7 104	6 708	0.58	-0.43	315	377	-0.52	0.06	574	647	2.74	1.88
United Kingdom	909	880	0.66	-0.31	310	335	-0.55	0.74	144	141	1.68	-0.87
Russia	1 663	1 672	0.33	-0.01	323	95	-10.24	-0.72	89	0	40.00	0.00
Ukraine	322	253	-3.43	-1.56	9	8	11.68	-1.06	29	16	-0.62	1.07
<b>AFRICA</b>	6 278	7 646	0.61	2.16	498	947	-1.98	4.24	88	162	-5.05	7.28
Egypt	538	699	-4.98	2.75	328	489	3.31	1.69	1	0	8.60	-0.08
Ethiopia	447	473	1.59	1.26	0	0	..	72.17	0	0	44.62	..
Nigeria	277	334	-1.82	1.84	2	2	-0.01	0.73	0	0	..	..
South Africa	1 125	1 350	1.71	1.62	5	6	-21.62	2.55	60	137	2.25	9.56
<b>ASIA</b>	19 536	22 963	2.08	1.36	7 043	8 902	7.24	1.58	1 654	1 850	-2.39	0.31
China <sup>2</sup>	6 925	7 772	1.74	0.92	2 953	3 916	32.11	1.73	16	18	-8.43	0.08
India	2 443	2 822	-0.41	0.61	0	0	..	..	1 325	1 507	-3.60	0.33
Indonesia	301	290	-5.00	1.65	265	408	19.04	2.08	0	0	-3.53	-0.14
Iran	550	673	3.85	1.63	54	85	-6.80	1.77	7	6	9.24	-0.61
Japan	476	446	-0.51	-0.24	815	777	1.51	-0.42	9	10	31.29	0.00
Kazakhstan	535	646	4.30	1.46	64	66	0.83	0.16	12	16	25.43	-0.07
Korea	306	337	-1.00	0.23	593	639	7.49	0.32	5	5	-1.82	0.00
Malaysia	29	39	-0.43	2.02	213	276	1.14	1.49	13	13	0.51	-1.47
Pakistan	2 379	3 183	4.91	2.73	1	1	-1.24	-0.02	67	60	6.38	0.01
Philippines	193	200	-6.56	0.35	180	264	5.57	2.88	4	4	3.36	-1.02
Saudi Arabia	40	49	-0.63	1.35	182	216	1.83	1.11	11	11	-6.80	-1.10
Thailand	171	193	-1.89	1.08	32	35	0.83	-0.61	49	56	0.67	0.61
Türkiye	1 431	1 736	8.92	1.46	5	4	-10.40	-0.12	33	58	8.54	6.35
Viet Nam	471	559	4.86	1.44	245	479	-15.01	5.18	1	1	28.30	-0.43
<b>OCEANIA</b>	2 965	3 188	-1.99	0.73	37	37	0.04	0.24	1 967	2 343	-1.99	0.90
Australia	2 200	2 429	-3.18	0.83	19	18	6.36	0.00	1 299	1 690	-3.82	1.03
New Zealand	756	752	2.34	0.43	9	9	-4.11	-0.06	666	652	2.65	0.58
<b>DEVELOPED COUNTRIES</b>	<b>31 276</b>	<b>32 120</b>	<b>0.99</b>	<b>0.32</b>	<b>3 995</b>	<b>3 864</b>	<b>-0.05</b>	<b>-0.09</b>	<b>5 174</b>	<b>5 756</b>	<b>1.42</b>	<b>1.16</b>
<b>DEVELOPING COUNTRIES</b>	<b>39 935</b>	<b>45 692</b>	<b>0.96</b>	<b>1.26</b>	<b>7 298</b>	<b>9 584</b>	<b>6.36</b>	<b>1.87</b>	<b>6 623</b>	<b>7 807</b>	<b>3.72</b>	<b>1.34</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	3 868	4 696	1.83	2.16	94	346	-3.30	8.87	13	14	-0.49	2.10
<b>OECD<sup>3</sup></b>	<b>30 473</b>	<b>31 087</b>	<b>1.18</b>	<b>0.29</b>	<b>4 538</b>	<b>4 679</b>	<b>2.48</b>	<b>0.06</b>	<b>5 225</b>	<b>5 936</b>	<b>1.84</b>	<b>1.19</b>
<b>BRICS</b>	<b>20 570</b>	<b>22 551</b>	<b>0.03</b>	<b>0.68</b>	<b>3 345</b>	<b>4 079</b>	<b>15.43</b>	<b>1.64</b>	<b>3 996</b>	<b>4 656</b>	<b>1.26</b>	<b>1.40</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Gross indigenous production.
5. Least-squares growth rate (see glossary).
6. Excludes trade of live animals.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

## ANNEX C

**Table C.26.2. Beef and veal projections: Consumption, food**

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) <sup>4</sup>		FOOD (kg rwe/cap) <sup>5</sup>		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>70 499</b>	<b>77 631</b>	<b>1.08</b>	<b>0.86</b>	<b>5.9</b>	<b>5.9</b>	<b>-0.05</b>	<b>0.02</b>
<b>NORTH AMERICA</b>	13 728	13 900	1.51	0.12	24.3	23.2	0.81	-0.41
Canada	995	1 019	0.41	0.22	17.2	16.1	-0.68	-0.57
United States	12 732	12 881	1.60	0.12	25.1	24.0	0.95	-0.38
<b>LATIN AMERICA</b>	13 338	14 037	-1.78	0.55	13.4	13.1	-2.64	-0.13
Argentina	2 214	2 185	-1.95	0.21	32.1	29.8	-2.73	-0.37
Brazil	5 865	5 885	-3.14	-0.08	18.0	17.1	-3.84	-0.57
Chile	579	650	3.93	1.30	20.0	22.0	2.79	1.08
Colombia	701	708	-2.30	0.78	9.0	8.7	-3.50	0.28
Mexico	1 660	1 618	0.96	0.11	8.5	7.7	0.06	-0.55
Paraguay	162	204	7.41	3.47	14.7	16.6	6.18	2.42
Peru	198	216	-0.08	0.72	3.9	3.9	-1.51	-0.12
<b>EUROPE</b>	10 554	10 031	-0.50	-0.39	9.3	9.0	-0.63	-0.24
European Union <sup>1</sup>	6 637	6 281	0.25	-0.56	9.9	9.4	0.12	-0.42
United Kingdom	1 076	1 074	0.17	0.08	10.5	10.2	-0.59	-0.21
Russia	1 914	1 784	-3.01	-0.05	8.7	8.4	-3.08	0.24
Ukraine	297	242	-3.56	-1.71	4.5	4.0	-3.05	-1.02
<b>AFRICA</b>	6 748	8 553	0.48	2.30	3.2	3.2	-2.03	0.04
Egypt	906	1 239	-2.38	2.20	5.6	6.4	-4.32	0.60
Ethiopia	423	447	1.96	1.31	2.1	1.7	-0.97	-0.91
Nigeria	329	402	-1.70	1.95	0.9	0.8	-4.47	-0.45
South Africa	993	1 145	0.10	1.10	11.0	11.3	-1.25	0.11
<b>ASIA</b>	25 350	30 392	3.75	1.45	3.5	4.0	2.75	0.88
China <sup>2</sup>	9 979	11 694	6.16	1.12	4.5	5.4	5.70	1.24
India	1 118	1 315	5.11	0.94	0.4	0.4	2.73	0.14
Indonesia	715	872	2.27	1.69	1.6	1.8	1.36	0.85
Iran	598	753	2.58	1.66	4.6	5.2	1.20	0.79
Japan	1 273	1 218	0.72	-0.36	6.8	6.9	1.06	0.21
Kazakhstan	590	698	3.64	1.36	20.6	22.1	2.28	0.50
Korea	893	971	3.59	0.29	11.4	12.6	3.24	0.44
Malaysia	246	320	0.60	1.60	5.0	5.8	-0.72	0.60
Pakistan	2 303	3 116	4.86	2.79	6.6	7.5	2.90	1.12
Philippines	377	468	-1.51	1.71	2.2	2.4	-2.94	0.55
Saudi Arabia	212	254	2.00	1.26	4.0	4.2	0.05	0.17
Thailand	116	135	-3.37	0.78	1.1	1.3	-3.70	0.78
Türkiye	1 415	1 692	8.12	1.32	10.8	12.2	6.68	0.77
Viet Nam	730	1 054	-6.60	2.95	5.0	6.7	-7.50	2.34
<b>OCEANIA</b>	781	718	-1.15	0.31	12.1	9.9	-2.70	-0.78
Australia	694	632	-0.70	0.35	17.8	14.6	-2.10	-0.55
New Zealand	72	71	-4.15	0.04	9.3	8.4	-5.85	-0.65
<b>DEVELOPED COUNTRIES</b>	<b>29 847</b>	<b>30 147</b>	<b>0.74</b>	<b>0.13</b>	<b>13.7</b>	<b>13.6</b>	<b>0.34</b>	<b>-0.02</b>
<b>DEVELOPING COUNTRIES</b>	<b>40 651</b>	<b>47 484</b>	<b>1.34</b>	<b>1.35</b>	<b>4.1</b>	<b>4.3</b>	<b>0.03</b>	<b>0.36</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>3 980</b>	<b>5 096</b>	<b>1.96</b>	<b>2.51</b>	<b>2.9</b>	<b>2.9</b>	<b>-0.37</b>	<b>0.37</b>
<b>OECD<sup>3</sup></b>	<b>29 330</b>	<b>29 523</b>	<b>1.28</b>	<b>0.09</b>	<b>13.9</b>	<b>13.6</b>	<b>0.77</b>	<b>-0.12</b>
<b>BRICS</b>	<b>19 869</b>	<b>21 823</b>	<b>1.36</b>	<b>0.67</b>	<b>3.9</b>	<b>4.2</b>	<b>0.52</b>	<b>0.31</b>

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).
5. Per capita consumption expressed in boneless retail weight. Carcass weight to boneless retail weight conversion factors is 0.67 for beef and veal.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.27.1. Pigmeat projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) <sup>4</sup>		Growth (%) <sup>5</sup>		IMPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>		EXPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>116 806</b>	<b>129 377</b>	<b>-0.14</b>	<b>0.59</b>	<b>11 748</b>	<b>10 399</b>	<b>5.94</b>	<b>0.03</b>	<b>11 754</b>	<b>10 210</b>	<b>4.68</b>	<b>-0.11</b>
<b>NORTH AMERICA</b>	14 590	15 077	2.21	0.49	807	1 035	2.76	1.17	4 705	4 600	3.94	0.71
Canada	2 193	2 135	1.48	0.00	261	280	2.41	1.06	1 584	1 447	2.95	0.19
United States	12 396	12 942	2.35	0.57	546	755	2.76	1.21	3 121	3 154	4.46	0.96
<b>LATIN AMERICA</b>	9 102	10 338	3.12	1.24	1 969	2 233	7.97	0.43	1 653	1 391	8.68	0.04
Argentina	692	788	6.45	0.97	35	30	14.34	0.01	27	9	15.32	-0.01
Brazil	4 679	4 903	4.08	0.83	22	15	10.20	-0.08	1 036	784	8.60	-0.43
Chile	585	689	1.34	1.53	141	81	15.27	-0.99	256	245	6.22	1.00
Colombia	465	620	8.02	2.11	137	182	12.00	0.81	0	0	..	..
Mexico	1 488	1 754	2.07	1.02	1 154	1 384	6.67	0.67	306	328	12.80	0.59
Paraguay	65	85	9.56	2.46	5	6	7.92	1.26	5	3	8.31	-1.27
Peru	176	231	3.94	2.12	12	19	6.03	2.00	0	0	..	..
<b>EUROPE</b>	30 245	28 375	1.15	-0.37	1 144	1 340	-5.77	0.39	5 074	3 799	5.13	-1.25
European Union <sup>1</sup>	23 122	21 008	0.60	-0.62	127	154	-2.21	0.69	4 547	3 281	5.19	-1.38
United Kingdom	961	981	2.20	0.42	679	736	-0.96	-0.06	253	253	2.42	-0.20
Russia	4 328	4 507	5.47	0.21	44	49	-30.39	0.04	193	200	26.75	0.00
Ukraine	675	701	-1.45	2.01	58	66	7.24	-2.65	5	1	-15.83	0.53
<b>AFRICA</b>	1 601	1 997	3.08	2.08	275	514	0.39	6.29	31	31	1.31	0.12
Egypt	1	1	6.10	-1.40	2	4	31.77	6.11	0	0	..	..
Ethiopia	2	3	1.86	2.58	0	1	..	..	0	0	..	..
Nigeria	291	342	1.70	1.94	6	14	33.51	6.89	0	0	..	..
South Africa	317	398	4.80	1.61	30	34	-0.41	-0.52	26	26	1.21	0.52
<b>ASIA</b>	60 685	72 956	-1.71	0.87	7 155	4 789	10.45	-1.09	259	357	-5.09	2.10
China <sup>2</sup>	48 578	58 009	-2.20	0.55	3 938	1 537	21.14	-2.82	128	165	-9.23	0.48
India	331	363	-0.95	1.05	1	2	6.65	2.32	2	1	36.32	-10.01
Indonesia	326	410	-0.69	1.76	4	6	1.09	0.73	0	0	..	..
Iran	0	0	..	..	0	0	63.98	..	0	0	29.83	..
Japan	1 309	1 245	0.25	-0.53	1 306	1 268	2.13	-0.31	3	4	14.64	0.51
Kazakhstan	85	95	-2.15	1.33	46	60	2.02	1.92	1	1	3.98	-0.27
Korea	1 407	1 372	1.93	0.03	621	727	4.19	0.08	8	3	12.52	-10.97
Malaysia	218	236	0.17	0.81	28	65	5.73	3.94	3	2	-8.40	-4.31
Pakistan	0	0	..	..	0	0	..	..	0	0	..	..
Philippines	1 276	2 057	-4.23	6.56	274	157	12.27	-8.12	2	3	-1.48	0.72
Saudi Arabia	0	0	..	..	18	18	10.60	0.00	2	2	-0.72	0.00
Thailand	975	1 275	-1.62	5.13	1	1	-19.03	1.78	43	100	3.87	13.33
Türkiye	0	0	..	..	26	32	9.67	0.00	26	32	9.67	0.00
Viet Nam	3 718	4 732	1.35	1.79	208	38	70.12	-9.76	11	12	-7.76	1.03
<b>OCEANIA</b>	582	635	2.13	0.65	397	489	1.52	1.81	32	31	1.19	-0.01
Australia	438	481	2.65	0.66	315	390	0.76	1.98	30	30	0.68	0.00
New Zealand	45	43	-0.49	-0.49	71	84	5.23	1.05	1	1	20.28	0.00
<b>DEVELOPED COUNTRIES</b>	<b>47 100</b>	<b>45 806</b>	<b>1.46</b>	<b>-0.06</b>	<b>3 767</b>	<b>4 278</b>	<b>-0.92</b>	<b>0.53</b>	<b>9 846</b>	<b>8 469</b>	<b>4.52</b>	<b>-0.22</b>
<b>DEVELOPING COUNTRIES</b>	<b>69 705</b>	<b>83 571</b>	<b>-1.13</b>	<b>0.96</b>	<b>7 981</b>	<b>6 121</b>	<b>11.55</b>	<b>-0.31</b>	<b>1 907</b>	<b>1 741</b>	<b>5.53</b>	<b>0.42</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>2 280</b>	<b>3 163</b>	<b>4.51</b>	<b>2.81</b>	<b>145</b>	<b>310</b>	<b>-0.69</b>	<b>7.30</b>	<b>1</b>	<b>1</b>	<b>2.76</b>	<b>-0.60</b>
<b>OECD<sup>3</sup></b>	<b>44 784</b>	<b>43 639</b>	<b>1.29</b>	<b>-0.06</b>	<b>5 411</b>	<b>6 105</b>	<b>3.15</b>	<b>0.44</b>	<b>10 143</b>	<b>8 785</b>	<b>4.71</b>	<b>-0.16</b>
<b>BRICS</b>	<b>58 233</b>	<b>68 181</b>	<b>-1.31</b>	<b>0.56</b>	<b>4 036</b>	<b>1 636</b>	<b>11.82</b>	<b>-2.67</b>	<b>1 385</b>	<b>1 176</b>	<b>6.14</b>	<b>-0.24</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Gross indigenous production.
5. Least-squares growth rate (see glossary).
6. Excludes trade of live animals.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

**Table C.27.2. Pigmeat projections: Consumption, food**

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) <sup>4</sup>		FOOD (kg rwe/cap) <sup>5</sup>		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>116 667</b>	<b>129 302</b>	<b>-0.07</b>	<b>0.58</b>	<b>10.8</b>	<b>10.9</b>	<b>-1.12</b>	<b>-0.24</b>
<b>NORTH AMERICA</b>	10 704	11 503	1.55	0.46	20.6	20.9	0.85	-0.06
Canada	719	813	-0.40	-0.02	13.5	14.0	-1.49	-0.81
United States	9 985	10 690	1.71	0.49	21.4	21.8	1.05	0.00
<b>LATIN AMERICA</b>	9 433	11 189	3.19	1.23	11.8	12.9	2.29	0.55
Argentina	700	809	6.44	0.95	11.1	12.0	5.59	0.37
Brazil	3 665	4 134	3.10	1.10	16.8	18.0	2.35	0.63
Chile	470	525	1.68	1.34	17.7	19.4	0.56	1.12
Colombia	601	802	8.88	1.80	8.4	10.7	7.55	1.30
Mexico	2 351	2 820	3.05	0.89	13.1	14.7	2.13	0.25
Paraguay	65	88	9.47	2.53	6.5	7.8	8.21	1.50
Peru	188	250	4.09	2.11	4.0	4.9	2.60	1.26
<b>EUROPE</b>	26 299	25 896	0.13	-0.20	25.4	25.3	0.01	-0.03
European Union <sup>1</sup>	18 666	17 832	-0.30	-0.47	30.2	29.1	-0.42	-0.32
United Kingdom	1 387	1 464	0.50	0.28	14.8	15.1	-0.26	0.00
Russia	4 176	4 356	2.27	0.21	20.7	22.3	2.19	0.51
Ukraine	733	772	-1.61	1.49	12.2	13.8	-1.09	2.21
<b>AFRICA</b>	1 843	2 475	2.63	2.86	1.0	1.0	0.06	0.59
Egypt	3	4	23.31	4.42	0.0	0.0	20.86	2.79
Ethiopia	2	3	0.70	4.79	0.0	0.0	-2.19	2.49
Nigeria	298	357	1.96	2.09	0.9	0.8	-0.91	-0.32
South Africa	322	406	4.50	1.49	3.9	4.4	3.08	0.50
<b>ASIA</b>	67 440	77 146	-0.87	0.71	10.3	11.1	-1.78	0.15
China <sup>2</sup>	52 321	59 282	-1.38	0.45	26.0	29.8	-1.81	0.58
India	330	363	-1.02	1.10	0.1	0.1	-3.27	0.30
Indonesia	316	404	-0.53	1.84	0.8	0.9	-1.40	1.01
Iran	0	0	..	..	0.0	0.0	33.31	-0.86
Japan	2 606	2 510	1.07	-0.42	15.1	15.5	1.42	0.15
Kazakhstan	130	154	-0.81	1.56	5.0	5.3	-2.12	0.70
Korea	2 021	2 096	2.51	0.02	28.1	29.6	2.16	0.18
Malaysia	242	299	0.95	1.46	5.4	5.9	-0.38	0.45
Pakistan	0	0	..	..	0.0	0.0	23.98	-1.63
Philippines	1 547	2 211	-2.20	4.41	10.0	12.6	-3.62	3.23
Saudi Arabia	16	16	13.64	0.00	0.3	0.3	11.47	-1.08
Thailand	751	934	-3.39	3.98	7.7	9.6	-3.73	3.98
Türkiye	0	0	..	..	0.0	0.0	-1.36	-0.55
Viet Nam	3 917	4 760	2.11	1.61	28.9	32.9	1.13	1.01
<b>OCEANIA</b>	948	1 092	1.89	1.18	16.0	16.3	0.29	0.08
Australia	723	841	1.87	1.28	20.2	21.2	0.43	0.37
New Zealand	115	126	2.62	0.51	16.2	16.3	0.80	-0.18
<b>DEVELOPED COUNTRIES</b>	<b>41 011</b>	<b>41 588</b>	<b>0.59</b>	<b>0.03</b>	<b>20.6</b>	<b>20.5</b>	<b>0.19</b>	<b>-0.12</b>
<b>DEVELOPING COUNTRIES</b>	<b>75 656</b>	<b>87 714</b>	<b>-0.42</b>	<b>0.86</b>	<b>8.6</b>	<b>8.9</b>	<b>-1.62</b>	<b>-0.11</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>2 432</b>	<b>3 480</b>	<b>4.08</b>	<b>3.14</b>	<b>1.9</b>	<b>2.2</b>	<b>1.69</b>	<b>0.98</b>
<b>OECD<sup>3</sup></b>	<b>40 038</b>	<b>40 912</b>	<b>0.79</b>	<b>0.03</b>	<b>20.6</b>	<b>20.5</b>	<b>0.27</b>	<b>-0.17</b>
<b>BRICS</b>	<b>60 814</b>	<b>68 540</b>	<b>-0.89</b>	<b>0.48</b>	<b>13.6</b>	<b>14.8</b>	<b>-1.53</b>	<b>0.16</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).
5. Per capita consumption expressed in boneless retail weight. Carcass weight to boneless retail weight conversion factors is 0.73 for pig meat.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.28.1. Poultry meat projections: Production and trade

Calendar year

	PRODUCTION (kt rtc)		Growth (%) <sup>4</sup>		IMPORTS (kt rtc)		Growth (%) <sup>4</sup>		EXPORTS (kt rtc)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>136 552</b>	<b>156 247</b>	<b>2.89</b>	<b>1.27</b>	<b>14 577</b>	<b>16 544</b>	<b>2.81</b>	<b>0.74</b>	<b>15 728</b>	<b>16 544</b>	<b>2.51</b>	<b>0.74</b>
<b>NORTH AMERICA</b>	24 419	26 413	2.01	0.46	271	327	-0.19	0.38	3 689	3 655	-0.07	0.06
Canada	1 471	1 696	2.23	1.08	178	205	-1.89	1.30	132	152	-5.92	1.59
United States	22 948	24 717	1.99	0.42	92	123	3.68	-1.00	3 558	3 502	0.20	0.00
<b>LATIN AMERICA</b>	28 368	32 907	2.19	1.31	2 454	2 748	2.67	0.64	4 796	5 179	1.37	1.17
Argentina	2 316	2 620	1.89	1.06	9	14	-4.71	0.12	223	284	-0.74	2.13
Brazil	15 031	16 566	2.24	0.94	5	4	379.72	0.00	4 305	4 583	1.38	1.12
Chile	766	953	1.69	2.19	172	176	8.26	-1.60	188	230	6.27	1.63
Colombia	1 701	2 290	3.48	2.08	100	89	7.31	-1.87	0	0	-40.82	..
Mexico	3 705	4 309	3.48	1.21	1 069	1 176	2.64	0.82	5	6	4.76	-0.08
Paraguay	47	61	6.37	3.91	29	37	3.22	0.40	7	6	197.71	-0.40
Peru	1 749	2 321	4.05	2.61	93	98	14.65	1.91	1	2	-22.06	-0.16
<b>EUROPE</b>	22 158	23 189	2.35	0.59	2 052	2 053	-1.68	-1.22	3 644	3 682	4.83	0.79
European Union <sup>1</sup>	13 380	13 620	2.02	0.33	783	829	-1.81	-1.28	2 198	2 191	2.09	0.58
United Kingdom	1 993	2 114	2.40	0.56	440	594	-1.90	1.69	374	409	2.38	1.66
Russia	4 709	5 000	3.37	0.63	232	120	-8.88	-8.30	393	408	24.58	0.00
Ukraine	1 145	1 302	1.31	1.97	316	244	4.84	-1.17	446	428	15.14	1.19
<b>AFRICA</b>	6 713	8 655	2.82	2.46	2 558	4 087	5.09	3.63	165	129	4.60	-1.84
Egypt	1 492	2 135	4.41	3.45	16	12	-24.19	1.95	2	1	-12.86	-1.06
Ethiopia	66	77	-0.59	1.83	1	1	..	1.07	0	0	..	..
Nigeria	237	279	2.41	1.73	0	0	..	..	0	0	..	..
South Africa	1 915	2 342	1.59	1.74	451	436	0.91	-0.48	66	66	-3.16	0.34
<b>ASIA</b>	53 281	63 204	3.99	1.72	7 158	7 213	3.78	-0.02	3 366	3 835	5.23	0.91
China <sup>2</sup>	23 829	24 909	4.09	0.73	1 456	802	14.92	-3.20	704	488	1.98	-2.87
India	3 728	5 485	3.11	3.72	1	1	16.98	6.91	4	1	-7.20	-15.54
Indonesia	3 837	4 891	10.18	2.14	0	0	-41.74	..	2	3	-6.05	0.78
Iran	2 154	2 465	0.62	2.43	91	89	9.75	-11.23	54	30	-10.43	7.44
Japan	1 671	1 680	1.67	0.00	915	959	2.82	0.00	7	5	-5.67	0.00
Kazakhstan	240	353	9.21	4.01	225	247	4.02	1.22	17	13	19.01	-1.18
Korea	1 024	1 082	3.80	0.68	212	236	6.05	0.04	56	44	11.36	-2.30
Malaysia	1 708	2 257	0.39	2.88	119	149	11.24	-2.29	220	274	6.45	2.35
Pakistan	1 801	2 691	8.82	3.13	1	2	-17.02	1.07	8	2	0.40	-3.75
Philippines	1 371	1 899	2.51	3.15	386	510	14.78	2.48	2	2	-19.85	-0.20
Saudi Arabia	918	1 310	7.35	2.97	596	438	-6.05	-1.30	50	66	2.18	1.24
Thailand	1 853	2 236	1.06	1.76	3	3	-18.24	0.31	1 247	1 484	6.68	1.52
Türkiye	2 419	3 302	3.37	1.83	51	57	-6.08	0.51	757	1 194	6.55	2.35
Viet Nam	1 514	1 917	8.54	2.16	211	226	12.38	1.44	12	9	44.20	-0.21
<b>OCEANIA</b>	1 614	1 878	2.51	1.22	84	115	7.01	2.14	67	64	3.12	-1.28
Australia	1 361	1 577	2.48	1.22	0	0	..	..	53	49	3.83	-1.91
New Zealand	225	266	2.89	1.11	1	1	4.30	0.00	14	16	0.98	1.00
<b>DEVELOPED COUNTRIES</b>	<b>52 863</b>	<b>56 900</b>	<b>2.17</b>	<b>0.62</b>	<b>4 222</b>	<b>4 465</b>	<b>0.29</b>	<b>-0.39</b>	<b>7 513</b>	<b>7 513</b>	<b>2.09</b>	<b>0.40</b>
<b>DEVELOPING COUNTRIES</b>	<b>83 689</b>	<b>99 347</b>	<b>3.37</b>	<b>1.66</b>	<b>10 355</b>	<b>12 079</b>	<b>4.01</b>	<b>1.19</b>	<b>8 215</b>	<b>9 031</b>	<b>2.90</b>	<b>1.03</b>
LEAST DEVELOPED COUNTRIES (LDC)	3 368	4 526	3.23	2.68	1 296	2 398	6.17	4.49	45	23	16.67	-3.82
<b>OECD<sup>3</sup></b>	<b>53 510</b>	<b>58 610</b>	<b>2.26</b>	<b>0.68</b>	<b>4 070</b>	<b>4 499</b>	<b>1.09</b>	<b>0.08</b>	<b>7 355</b>	<b>7 810</b>	<b>1.45</b>	<b>0.62</b>
<b>BRICS</b>	<b>49 213</b>	<b>54 302</b>	<b>3.25</b>	<b>1.09</b>	<b>2 144</b>	<b>1 364</b>	<b>5.73</b>	<b>-3.06</b>	<b>5 471</b>	<b>5 547</b>	<b>2.18</b>	<b>0.60</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

**Table C.28.2. Poultry meat projections: Consumption, food**

Calendar year

	CONSUMPTION (kt rte)		Growth (%) <sup>4</sup>		FOOD (kg rwe/cap) <sup>5</sup>		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>135 413</b>	<b>156 237</b>	<b>2.93</b>	<b>1.27</b>	<b>10.1</b>	<b>10.6</b>	<b>1.78</b>	<b>0.41</b>
<b>NORTH AMERICA</b>	21 025	23 080	2.42	0.52	33.3	34.5	1.71	0.00
Canada	1 519	1 747	2.68	1.07	23.5	24.8	1.57	0.28
United States	19 506	21 333	2.40	0.48	34.4	35.7	1.74	-0.01
<b>LATIN AMERICA</b>	26 027	30 477	2.40	1.27	23.4	25.4	1.51	0.60
Argentina	2 103	2 350	2.25	0.93	27.3	28.7	1.44	0.36
Brazil	10 731	11 987	2.62	0.87	29.5	31.3	1.87	0.41
Chile	750	899	1.91	1.47	23.2	27.3	0.80	1.25
Colombia	1 801	2 379	3.72	1.90	20.8	26.1	2.45	1.40
Mexico	4 769	5 478	3.29	1.13	21.9	23.4	2.37	0.48
Paraguay	69	92	3.67	2.66	5.7	6.7	2.48	1.63
Peru	1 841	2 417	4.50	2.58	32.6	38.9	3.01	1.72
<b>EUROPE</b>	20 564	21 559	1.49	0.37	16.3	17.3	1.36	0.53
European Union <sup>1</sup>	11 965	12 258	1.71	0.16	15.9	16.4	1.58	0.31
United Kingdom	2 059	2 298	1.34	0.65	18.1	19.5	0.58	0.36
Russia	4 547	4 711	1.48	0.30	18.6	19.8	1.41	0.60
Ukraine	1 015	1 118	-1.19	1.49	13.9	16.5	-0.66	2.20
<b>AFRICA</b>	9 106	12 613	3.41	2.88	3.9	4.2	0.84	0.59
Egypt	1 506	2 146	3.23	3.44	8.3	10.0	1.18	1.82
Ethiopia	66	78	-0.54	1.82	0.3	0.3	-3.39	-0.41
Nigeria	237	279	2.41	1.73	0.6	0.5	-0.48	-0.67
South Africa	2 300	2 712	1.61	1.37	22.8	24.1	0.24	0.38
<b>ASIA</b>	57 061	66 578	3.88	1.57	7.0	7.7	2.88	0.95
China <sup>2</sup>	24 581	25 223	4.58	0.66	10.0	10.4	4.12	0.79
India	3 725	5 486	3.14	3.73	1.1	1.5	0.80	2.91
Indonesia	3 835	4 888	10.17	2.15	7.8	9.0	9.20	1.30
Iran	2 191	2 525	1.50	1.40	15.1	15.7	0.13	0.53
Japan	2 584	2 633	2.11	0.01	12.3	13.4	2.46	0.59
Kazakhstan	448	587	6.15	2.88	14.0	16.7	4.76	2.00
Korea	1 179	1 274	3.92	0.68	13.5	14.8	3.56	0.84
Malaysia	1 606	2 132	0.32	2.49	29.2	34.6	-1.00	1.48
Pakistan	1 795	2 690	8.80	3.14	4.6	5.8	6.77	1.46
Philippines	1 755	2 407	4.43	3.01	9.3	11.3	2.92	1.84
Saudi Arabia	1 464	1 681	0.33	1.74	24.5	24.8	-1.59	0.64
Thailand	593	752	-6.49	2.42	5.0	6.3	-6.81	2.42
Türkiye	1 713	2 165	1.60	1.52	11.7	14.0	0.25	0.97
Viet Nam	1 712	2 134	8.84	2.09	10.4	12.1	7.80	1.49
<b>OCEANIA</b>	1 630	1 929	2.68	1.36	22.6	23.7	1.07	0.26
Australia	1 307	1 529	2.43	1.34	30.0	31.7	0.99	0.43
New Zealand	212	251	3.04	1.11	24.5	26.7	1.21	0.43
<b>DEVELOPED COUNTRIES</b>	<b>49 600</b>	<b>53 845</b>	<b>2.02</b>	<b>0.57</b>	<b>20.5</b>	<b>21.8</b>	<b>1.62</b>	<b>0.42</b>
<b>DEVELOPING COUNTRIES</b>	<b>85 813</b>	<b>102 392</b>	<b>3.49</b>	<b>1.66</b>	<b>7.8</b>	<b>8.3</b>	<b>2.16</b>	<b>0.65</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>4 619</b>	<b>6 902</b>	<b>3.91</b>	<b>3.31</b>	<b>3.0</b>	<b>3.5</b>	<b>1.54</b>	<b>1.15</b>
<b>OECD<sup>3</sup></b>	<b>50 253</b>	<b>55 292</b>	<b>2.30</b>	<b>0.64</b>	<b>21.2</b>	<b>22.8</b>	<b>1.78</b>	<b>0.43</b>
<b>BRICS</b>	<b>45 884</b>	<b>50 119</b>	<b>3.49</b>	<b>1.01</b>	<b>8.1</b>	<b>8.5</b>	<b>2.67</b>	<b>0.59</b>

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).
5. Per capita consumption expressed in boneless retail weight. Carcass weight to boneless retail weight conversion factors is 0.6 for poultry meat.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

## ANNEX C

### Table C.29.1. Sheep meat projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) <sup>4</sup>		Growth (%) <sup>5</sup>		IMPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>		EXPORTS (kt cwe) <sup>6</sup>		Growth (%) <sup>5</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>16 206</b>	<b>18 644</b>	<b>1.99</b>	<b>1.27</b>	<b>1 091</b>	<b>1 166</b>	<b>-0.52</b>	<b>0.34</b>	<b>1 113</b>	<b>1 238</b>	<b>-0.17</b>	<b>0.76</b>
NORTH AMERICA	85	95	-1.49	1.49	176	164	7.25	-0.61	2	2	-8.06	-0.02
Canada	17	17	0.06	-0.02	22	24	1.11	0.46	0	0	..	..
United States	69	78	-1.84	1.84	154	140	8.42	-0.78	1	1	-8.04	-0.02
LATIN AMERICA	466	505	1.50	0.56	11	11	-12.51	0.07	31	32	4.12	-0.03
Argentina	54	55	-1.02	0.00	0	0	..	..	4	5	11.33	-0.07
Brazil	142	150	2.69	0.48	2	3	-14.69	-0.09	0	0	..	..
Chile	14	14	-0.34	-0.17	0	0	..	..	6	6	0.35	0.26
Colombia	1	3	6.96	7.23	0	0	..	..	0	0	..	..
Mexico	106	110	1.27	0.19	2	1	-22.96	-0.02	2	3	62.59	0.00
Paraguay	3	4	-3.65	2.31	0	0	..	..	0	0	..	..
Peru	38	39	-0.84	-0.03	0	0	..	..	0	0	..	..
EUROPE	1 256	1 288	0.28	0.26	214	198	-4.93	-0.92	144	163	-0.90	2.09
European Union <sup>1</sup>	630	644	0.55	0.27	139	124	-2.81	-1.60	50	66	3.98	3.45
United Kingdom	288	301	-0.71	0.42	65	62	-7.86	0.10	85	86	-3.58	1.05
Russia	216	210	1.19	-0.20	1	0	-48.71	-2.54	2	0	59.55	..
Ukraine	8	0	-12.98	-1.90	0	4	..	7.07	0	0	..	..
AFRICA	3 388	4 272	1.91	2.36	10	13	-24.09	2.07	37	34	1.14	-0.60
Egypt	62	84	-10.17	2.94	0	2	-36.48	16.10	0	0	..	..
Ethiopia	279	378	7.32	3.73	0	0	..	..	15	14	-0.73	1.90
Nigeria	400	515	0.72	2.69	0	0	..	49.49	0	0	..	..
South Africa	173	182	-0.49	0.73	2	2	-21.66	-1.18	3	6	9.79	1.86
ASIA	9 871	11 282	2.64	1.17	657	751	2.46	0.93	25	32	-6.28	1.84
China <sup>2</sup>	5 096	5 521	2.59	0.64	386	396	6.61	0.30	2	2	-9.61	-0.07
India	850	970	1.64	1.27	0	0	..	..	8	12	-11.88	3.60
Indonesia	118	141	1.66	1.64	2	4	-0.46	2.19	0	0	..	..
Iran	357	387	-1.78	0.66	4	2	0.54	0.03	0	0	..	..
Japan	0	0	..	..	21	19	0.86	-1.28	0	0	..	..
Kazakhstan	175	196	1.18	1.02	0	0	..	..	3	5	111.61	0.09
Korea	2	2	2.46	0.00	19	18	15.03	-0.11	0	0	..	..
Malaysia	1	0	-10.27	..	35	47	2.25	1.52	0	0	..	..
Pakistan	765	982	7.15	2.27	0	0	..	..	5	3	-11.26	0.58
Philippines	33	45	-6.89	2.29	0	1	-6.45	7.49	0	0	..	..
Saudi Arabia	0	0	..	..	24	35	-11.34	2.19	0	0	-15.59	-2.14
Thailand	2	2	0.15	0.63	1	1	-5.57	0.92	0	0	..	..
Türkiye	481	751	6.64	2.76	0	0	..	..	1	5	30.08	3.55
Viet Nam	21	26	11.61	1.89	0	4	-23.88	31.13	0	0	..	..
OCEANIA	1 140	1 204	-0.43	-0.01	23	28	-2.90	-0.29	876	976	0.00	0.60
Australia	693	773	0.09	0.16	0	0	..	..	452	553	1.27	1.26
New Zealand	446	431	-1.24	-0.31	3	3	-3.75	0.00	424	423	-1.25	-0.19
<b>DEVELOPED COUNTRIES</b>	<b>3 383</b>	<b>3 635</b>	<b>0.06</b>	<b>0.54</b>	<b>420</b>	<b>392</b>	<b>-0.94</b>	<b>-0.84</b>	<b>1 027</b>	<b>1 152</b>	<b>-0.05</b>	<b>0.80</b>
<b>DEVELOPING COUNTRIES</b>	<b>12 822</b>	<b>15 009</b>	<b>2.56</b>	<b>1.45</b>	<b>671</b>	<b>774</b>	<b>-0.20</b>	<b>1.00</b>	<b>86</b>	<b>86</b>	<b>-1.52</b>	<b>0.24</b>
LEAST DEVELOPED COUNTRIES (LDC)	2 085	2 648	2.20	2.31	2	2	-6.68	-0.03	4	4	0.44	-2.30
<b>OECD<sup>3</sup></b>	<b>2 782</b>	<b>3 164</b>	<b>0.75</b>	<b>0.77</b>	<b>436</b>	<b>402</b>	<b>-0.36</b>	<b>-0.86</b>	<b>1 021</b>	<b>1 143</b>	<b>-0.13</b>	<b>0.79</b>
<b>BRICS</b>	<b>6 477</b>	<b>7 032</b>	<b>2.32</b>	<b>0.69</b>	<b>391</b>	<b>401</b>	<b>5.28</b>	<b>0.29</b>	<b>15</b>	<b>20</b>	<b>-6.56</b>	<b>2.62</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Gross indigenous production.
5. Least-squares growth rate (see glossary).
6. Excludes trade of live animals.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.29.2. Sheep meat projections: Consumption, food

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) <sup>4</sup>		FOOD (kg rwe/cap) <sup>5</sup>		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>16 259</b>	<b>18 724</b>	<b>1.97</b>	<b>1.26</b>	<b>1.3</b>	<b>1.4</b>	<b>0.80</b>	<b>0.41</b>
<b>NORTH AMERICA</b>	254	250	4.08	0.12	0.4	0.4	3.36	-0.41
Canada	38	41	0.68	0.28	0.7	0.6	-0.42	-0.51
United States	216	209	4.79	0.09	0.4	0.4	4.12	-0.41
<b>LATIN AMERICA</b>	447	483	0.72	0.57	0.5	0.5	0.03	-0.12
Argentina	50	50	-1.68	0.00	0.7	0.7	-2.46	-0.57
Brazil	145	153	2.01	0.40	0.7	0.7	1.26	-0.06
Chile	9	8	-0.76	-0.45	0.3	0.3	-1.85	-0.66
Colombia	1	3	7.24	7.10	0.0	0.0	5.93	6.57
Mexico	107	109	-0.35	0.19	0.5	0.5	-1.24	-0.45
Paraguay	3	4	-3.64	2.31	0.3	0.3	-4.75	1.28
Peru	38	39	-0.84	-0.03	0.7	0.7	-2.25	-0.86
<b>EUROPE</b>	1 265	1 266	-0.87	-0.08	1.1	1.1	-1.02	0.08
European Union <sup>1</sup>	669	660	-0.67	-0.25	1.0	1.0	-0.80	-0.11
United Kingdom	269	277	-1.98	0.16	2.6	2.6	-2.72	-0.13
Russia	211	207	0.32	-0.20	0.9	1.0	0.25	0.10
Ukraine	8	4	-12.34	4.54	0.1	0.1	-11.88	5.27
<b>AFRICA</b>	3 322	4 218	1.60	2.44	1.5	1.5	-0.99	0.15
Egypt	63	85	-14.92	3.11	0.4	0.4	-16.61	1.50
Ethiopia	265	364	7.94	3.81	1.3	1.4	4.84	1.54
Nigeria	409	522	0.93	2.53	1.1	1.1	-1.92	0.11
South Africa	172	177	-1.85	0.68	1.9	1.7	-3.18	-0.30
<b>ASIA</b>	10 696	12 255	2.58	1.16	1.4	1.6	1.59	0.59
China <sup>2</sup>	5 480	5 915	2.84	0.61	2.5	2.7	2.39	0.74
India	830	945	1.79	1.26	0.3	0.3	-0.52	0.46
Indonesia	119	144	1.63	1.65	0.3	0.3	0.73	0.82
Iran	344	375	-1.33	0.69	2.6	2.6	-2.66	-0.17
Japan	21	19	0.86	-1.28	0.1	0.1	1.21	-0.71
Kazakhstan	172	191	0.85	1.04	5.9	6.0	-0.48	0.18
Korea	20	19	12.53	-0.10	0.2	0.2	12.14	0.06
Malaysia	39	51	1.65	1.38	0.8	0.9	0.31	0.38
Pakistan	760	979	7.39	2.28	2.2	2.3	5.38	0.61
Philippines	34	46	-6.88	2.35	0.2	0.2	-8.23	1.19
Saudi Arabia	183	216	-0.65	1.16	3.4	3.5	-2.55	0.07
Thailand	3	3	-1.89	0.73	0.0	0.0	-2.24	0.72
Türkiye	480	746	6.57	2.76	3.6	5.3	5.15	2.20
Viet Nam	22	30	8.22	3.55	0.1	0.2	7.19	2.94
<b>OCEANIA</b>	275	252	-1.02	-1.95	4.2	3.4	-2.57	-3.02
Australia	237	210	-0.09	-2.22	6.0	4.8	-1.51	-3.10
New Zealand	17	16	-8.35	-0.52	2.2	1.8	-9.98	-1.20
<b>DEVELOPED COUNTRIES</b>	<b>2 697</b>	<b>2 808</b>	<b>-0.08</b>	<b>0.29</b>	<b>1.2</b>	<b>1.2</b>	<b>-0.50</b>	<b>0.14</b>
<b>DEVELOPING COUNTRIES</b>	<b>13 561</b>	<b>15 915</b>	<b>2.42</b>	<b>1.44</b>	<b>1.3</b>	<b>1.4</b>	<b>1.09</b>	<b>0.45</b>
LEAST DEVELOPED COUNTRIES (LDC)	2 042	2 624	2.60	2.41	1.4	1.5	0.26	0.27
<b>OECD<sup>3</sup></b>	<b>2 135</b>	<b>2 378</b>	<b>1.06</b>	<b>0.53</b>	<b>1.0</b>	<b>1.1</b>	<b>0.51</b>	<b>0.31</b>
<b>BRICS</b>	<b>6 837</b>	<b>7 397</b>	<b>2.46</b>	<b>0.67</b>	<b>1.3</b>	<b>1.4</b>	<b>1.62</b>	<b>0.30</b>

Note: Calendar year; except year ending 30 June for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).
5. Per capita consumption expressed in boneless retail weight. Carcass weight to boneless retail weight conversion factors is 0.66 for sheep meat.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en



## ANNEX C

### Table C.30. Main policy assumptions for meat markets

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ARGENTINA</b>												
Beef export tax <sup>2</sup>	%	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
<b>CANADA</b>												
Beef tariff-quota	kt pw	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2
In-quota tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	%	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
Poultry meat tariff-quota	kt pw	105.0	110.4	113.0	114.4	117.1	119.7	122.2	124.8	127.4	130.0	132.5
In-quota tariff	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Out-of-quota tariff	%	249.0	249.0	249.0	249.0	249.0	249.0	249.0	249.0	249.0	249.0	249.0
<b>EUROPEAN UNION<sup>3,4</sup></b>												
Voluntary coupled support												
Beef and veal <sup>5</sup>	mIn EUR	1 606	1 751	1 733	1 713	1 694	1 646	1 646	1 646	1 646	1 646	1 646
Sheep and goat meat <sup>6</sup>	mIn EUR	528	615	614	612	609	605	605	605	605	605	605
Beef basic price <sup>1</sup>	EUR/kg dwt	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
Beef tariff-quota	kt cwe	335.9	325.6	327.1	328.7	329.2	329.7	330.2	330.7	331.2	331.2	331.2
Pig tariff-quota	kt cwe	213.7	213.0	213.9	214.8	215.7	216.6	217.5	218.4	219.3	220.2	220.2
Poultry tariff-quota	kt rtc	878.4	811.3	813.3	815.4	817.4	819.5	821.6	823.6	825.7	825.7	825.7
Sheep meat tariff-quota	kt cwe	207.5	163.3	163.5	163.7	163.9	164.1	164.3	164.5	164.7	164.9	164.9
<b>JAPAN<sup>7</sup></b>												
Beef stabilisation prices												
Upper price	JPY/kg dwt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower price	JPY/kg dwt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef tariff	%	25.0	23.5	22.7	21.8	21.0	20.2	18.6	16.8	15.0	13.1	11.3
Pigmeat stabilisation prices												
Upper price	JPY/kg dwt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower price	JPY/kg dwt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pig meat import system												
Tariff	%	1.7	1.3	1.0	0.8	0.5	0.3	0.1	0.0	0.0	0.0	0.0
Standard import price	JPY/kg dwt	398.4	430.1	409.7	391.5	379.9	370.8	362.6	357.9	353.6	349.4	345.3
Poultry meat tariff	%	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
<b>KOREA</b>												
Beef tariff	%	13.3	8.0	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pigmeat tariff	%	13.3	8.0	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poultry meat tariff	%	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
<b>MEXICO<sup>8</sup></b>												
Beef and veal tariff-quota	kt pw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
In-quota tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff <sup>9</sup>	%	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
Poultry meat tariff-quota	kt pw	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
In-quota tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	%	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
<b>RUSSIA</b>												
Beef tariff-quota	kt pw	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
In-quota tariff	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Out-of-quota tariff	%	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Pigmeat tariff-quota <sup>10</sup>	kt pw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
In-quota tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	%	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Poultry tariff-quota	kt pw	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0
In-quota tariff	%	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Out-of-quota tariff	%	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
<b>UNITED STATES</b>												
Beef tariff-quota	kt pw	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6
In-quota tariff	%	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Out-of-quota tariff	%	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4

Table C.30. Main policy assumptions for meat markets (cont.)

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>CHINA</b>												
Beef tariff	%	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Pigmeat tariff	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Sheep meat tariff	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Poultry meat tariff	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
<b>INDIA</b>												
Beef tariff	%	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
Pigmeat tariff	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Sheep meat tariff	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Poultry meat tariff	%	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
<b>SOUTH AFRICA</b>												
Beef tariff	%	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Pigmeat tariff	%	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sheep meat tariff	%	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Poultry meat tariff	%	36.6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2

Note: Average 2020-22est: Data for 2022 are estimated.

1. Price for R3 grade male cattle.
2. In Argentina, a temporary export tax is applied on all goods from September 4th 2018 until December 31st 2020.
3. Since 2015 the Basic payment scheme (BPS) holds, which shall account for the maximum of the national direct payment envelopes. On top of this, compulsory policy instruments have been introduced: the Green Payment and young farmer scheme. More details can be found in here: [https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key\\_policies/documents/voluntary-coupled-support-note-revised-aug2018\\_en.pdf](https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key_policies/documents/voluntary-coupled-support-note-revised-aug2018_en.pdf)
4. Refers to all current European Union member States.
5. Implemented in 24 Member States.
6. Implemented in 22 Member States.
7. Year beginning 1 April.
8. Intended for countries which whom Mexico has no free trade agreements.
9. 25% for frozen beef.
10. Eliminated in 2020 and replaced by import tariff.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.31.1. Butter projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>12 643</b>	<b>14 504</b>	<b>2.02</b>	<b>1.29</b>	<b>1 002</b>	<b>1 158</b>	<b>0.59</b>	<b>0.85</b>	<b>1 035</b>	<b>1 158</b>	<b>-0.10</b>	<b>0.85</b>
NORTH AMERICA	1 055	1 148	1.76	1.21	67	60	20.27	-3.02	43	40	-1.82	-1.86
Canada	116	143	4.13	2.19	23	28	15.30	-1.33	0	0	-38.26	..
United States	939	1 004	1.50	1.08	44	33	23.75	-4.25	43	40	-1.45	-1.86
LATIN AMERICA	445	512	0.52	1.19	57	72	-1.58	1.21	42	45	-2.27	-0.50
Argentina	31	34	-5.37	1.25	0	0	..	..	16	20	4.74	0.40
Brazil	107	111	2.53	0.42	2	9	5.62	5.49	1	1	-3.39	-4.54
Chile	24	30	1.33	2.12	5	5	4.78	-3.67	2	2	-11.44	3.61
Colombia	22	29	0.29	2.99	0	1	..	64.73	1	0	..	..
Mexico	207	244	1.17	1.50	28	36	-4.09	0.99	4	2	-8.00	0.00
Paraguay	1	1	-0.01	2.22	0	0	..	..	1	1	12.26	1.74
Peru	6	8	5.59	1.89	8	7	1.80	0.50	0	0	..	..
EUROPE	3 098	3 171	1.62	0.39	249	243	-2.10	0.23	434	501	2.45	1.90
European Union <sup>1</sup>	2 332	2 361	1.62	0.31	34	36	-0.80	-0.05	273	318	2.68	2.28
United Kingdom	208	224	5.36	0.45	67	67	-5.97	0.26	57	61	2.42	0.49
Russia	305	317	3.30	0.33	125	122	-0.92	0.46	4	4	-0.56	0.00
Ukraine	55	60	-9.19	2.87	7	1	-1.75	-4.48	11	19	5.73	4.69
AFRICA	324	368	0.02	1.28	78	142	-7.18	4.64	8	7	-8.61	2.12
Egypt	99	98	-2.92	-0.24	28	68	-9.21	7.24	1	1	-7.10	-1.44
Ethiopia	18	25	1.73	3.23	0	0	..	..	0	3	..	22.61
Nigeria	12	16	-0.60	2.78	3	3	-9.85	-0.46	0	0	..	..
South Africa	14	16	-1.38	1.56	6	6	7.33	1.37	3	2	-7.41	-1.35
ASIA	7 195	8 763	2.84	1.70	510	601	2.41	0.80	72	85	8.38	-1.68
China <sup>2</sup>	91	104	-1.10	1.47	125	127	8.99	-0.19	2	2	3.74	1.00
India	4 889	6 025	3.23	1.77	0	0	-22.55	49.60	30	2	21.85	-31.64
Indonesia	0	0	..	..	22	31	0.19	0.81	0	1	..	0.00
Iran	212	243	0.88	1.25	6	1	-27.10	-10.89	2	4	-4.36	3.38
Japan	70	66	0.85	-0.50	14	10	6.68	-0.31	0	0	..	..
Kazakhstan	21	30	3.97	3.87	7	4	-4.71	-8.88	2	3	31.09	9.73
Korea	59	55	-2.56	-0.44	23	34	20.83	1.61	0	0	..	..
Malaysia	0	0	..	..	21	24	3.16	0.82	4	4	-4.60	0.00
Pakistan	1 197	1 452	2.31	1.65	0	1	0.45	7.68	0	0	..	..
Philippines	0	0	..	..	32	34	8.04	1.13	1	1	..	0.00
Saudi Arabia	8	10	1.89	1.65	53	59	-0.97	0.79	11	13	14.16	-0.78
Thailand	3	3	5.06	0.95	13	15	0.85	0.00	1	1	-1.54	2.80
Türkiye	269	326	3.43	1.68	5	1	-25.11	-4.94	7	47	21.24	9.39
Viet Nam	0	0	..	..	14	13	0.35	0.59	0	0	..	..
OCEANIA	527	543	-2.42	0.63	42	40	6.92	0.32	437	480	-2.49	0.68
Australia	74	55	-6.59	-1.80	38	35	7.95	0.00	18	18	-10.31	1.27
New Zealand	452	488	-1.56	0.94	1	1	2.39	12.35	419	462	-1.97	0.66
<b>DEVELOPED COUNTRIES</b>	<b>4 928</b>	<b>5 132</b>	<b>1.23</b>	<b>0.62</b>	<b>417</b>	<b>412</b>	<b>1.32</b>	<b>-0.23</b>	<b>924</b>	<b>1 028</b>	<b>-0.41</b>	<b>1.13</b>
<b>DEVELOPING COUNTRIES</b>	<b>7 715</b>	<b>9 372</b>	<b>2.54</b>	<b>1.68</b>	<b>585</b>	<b>746</b>	<b>0.11</b>	<b>1.49</b>	<b>111</b>	<b>130</b>	<b>2.31</b>	<b>-1.23</b>
LEAST DEVELOPED COUNTRIES (LDC)	298	343	2.79	1.60	11	33	-6.29	7.46	3	0	-13.78	-6.88
<b>OECD<sup>3</sup></b>	<b>4 835</b>	<b>5 089</b>	<b>1.23</b>	<b>0.69</b>	<b>295</b>	<b>300</b>	<b>1.76</b>	<b>-0.37</b>	<b>824</b>	<b>949</b>	<b>-0.70</b>	<b>1.35</b>
<b>BRICS</b>	<b>5 406</b>	<b>6 572</b>	<b>3.11</b>	<b>1.67</b>	<b>258</b>	<b>264</b>	<b>2.91</b>	<b>0.29</b>	<b>39</b>	<b>11</b>	<b>11.33</b>	<b>-17.41</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

**Table C.31.2. Butter projections: Consumption, food**

Calendar year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>12 592</b>	<b>14 504</b>	<b>2.10</b>	<b>1.28</b>	<b>1.6</b>	<b>1.7</b>	<b>0.99</b>	<b>0.44</b>
<b>NORTH AMERICA</b>	<b>1 078</b>	<b>1 167</b>	<b>2.59</b>	<b>1.06</b>	<b>2.9</b>	<b>2.9</b>	<b>1.88</b>	<b>0.53</b>
Canada	143	171	5.92	1.49	3.7	4.1	4.79	0.69
United States	935	997	2.14	0.99	2.8	2.8	1.48	0.49
<b>LATIN AMERICA</b>	<b>460</b>	<b>538</b>	<b>0.56</b>	<b>1.34</b>	<b>0.7</b>	<b>0.8</b>	<b>-0.33</b>	<b>0.68</b>
Argentina	15	14	-12.82	2.55	0.3	0.3	-13.52	1.96
Brazil	109	119	2.76	0.74	0.5	0.5	2.01	0.28
Chile	28	33	3.40	0.95	1.4	1.7	2.26	0.73
Colombia	22	30	-0.06	3.28	0.4	0.6	-1.31	2.77
Mexico	230	278	0.59	1.44	1.8	2.0	-0.35	0.80
Paraguay	0	0	..	..	0.0	0.0	-68.08	0.00
Peru	13	15	3.37	1.24	0.4	0.4	1.89	0.39
<b>EUROPE</b>	<b>2 913</b>	<b>2 913</b>	<b>1.16</b>	<b>0.14</b>	<b>3.9</b>	<b>3.9</b>	<b>1.07</b>	<b>0.30</b>
European Union <sup>1</sup>	2 093	2 079	1.47	0.04	4.7	4.7	1.35	0.18
United Kingdom	218	231	1.36	0.38	3.2	3.3	1.04	0.09
Russia	426	435	1.89	0.36	2.9	3.1	1.81	0.66
Ukraine	51	42	-10.84	1.92	1.2	1.0	-10.37	2.64
<b>AFRICA</b>	<b>394</b>	<b>503</b>	<b>-1.54</b>	<b>2.12</b>	<b>0.3</b>	<b>0.3</b>	<b>-4.02</b>	<b>-0.15</b>
Egypt	125	166	-4.61	2.24	1.2	1.3	-6.57	0.64
Ethiopia	19	23	1.87	2.24	0.2	0.1	-0.85	0.00
Nigeria	15	19	-2.76	2.13	0.1	0.1	-5.75	-0.28
South Africa	17	20	2.55	1.92	0.3	0.3	1.13	0.92
<b>ASIA</b>	<b>7 628</b>	<b>9 279</b>	<b>2.75</b>	<b>1.68</b>	<b>1.6</b>	<b>1.9</b>	<b>1.82</b>	<b>1.11</b>
China <sup>2</sup>	214	229	3.65	0.52	0.1	0.2	3.29	0.64
India	4 859	6 023	3.15	1.86	3.5	3.9	2.06	1.05
Indonesia	22	30	-0.02	0.83	0.1	0.1	-1.07	0.00
Iran	216	240	-1.46	1.15	2.5	2.5	-2.78	0.29
Japan	79	76	1.19	-0.48	0.6	0.6	1.52	0.10
Kazakhstan	26	32	0.55	0.70	1.3	1.5	-0.79	-0.16
Korea	81	89	0.96	0.29	1.5	1.7	0.60	0.45
Malaysia	17	20	5.90	1.00	0.5	0.5	4.54	0.00
Pakistan	1 198	1 454	2.31	1.65	5.3	5.4	0.26	0.00
Philippines	32	34	7.89	1.15	0.3	0.3	6.54	0.00
Saudi Arabia	50	56	-2.53	1.33	1.4	1.4	-4.38	0.24
Thailand	16	17	1.68	0.01	0.2	0.2	1.38	0.00
Türkiye	267	280	2.02	0.78	3.1	3.1	0.65	0.23
Viet Nam	14	13	0.29	0.59	0.1	0.1	-0.56	0.00
<b>OCEANIA</b>	<b>119</b>	<b>103</b>	<b>0.74</b>	<b>-0.93</b>	<b>2.8</b>	<b>2.1</b>	<b>-0.83</b>	<b>-2.00</b>
Australia	92	72	0.14	-1.67	3.5	2.5	-1.27	-2.55
New Zealand	24	27	11.87	0.91	4.7	4.9	9.89	0.22
<b>DEVELOPED COUNTRIES</b>	<b>4 404</b>	<b>4 517</b>	<b>1.63</b>	<b>0.39</b>	<b>3.0</b>	<b>3.1</b>	<b>1.25</b>	<b>0.25</b>
<b>DEVELOPING COUNTRIES</b>	<b>8 189</b>	<b>9 988</b>	<b>2.35</b>	<b>1.71</b>	<b>1.3</b>	<b>1.4</b>	<b>1.07</b>	<b>0.72</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>306</b>	<b>376</b>	<b>2.56</b>	<b>2.03</b>	<b>0.3</b>	<b>0.3</b>	<b>0.22</b>	<b>-0.11</b>
<b>OECD<sup>3</sup></b>	<b>4 289</b>	<b>4 440</b>	<b>1.70</b>	<b>0.45</b>	<b>3.0</b>	<b>3.1</b>	<b>1.20</b>	<b>0.24</b>
<b>BRICS</b>	<b>5 625</b>	<b>6 826</b>	<b>3.05</b>	<b>1.69</b>	<b>1.7</b>	<b>2.0</b>	<b>2.31</b>	<b>1.35</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.32.1. Cheese projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>25 227</b>	<b>28 647</b>	<b>1.61</b>	<b>1.21</b>	<b>3 491</b>	<b>4 131</b>	<b>2.82</b>	<b>1.51</b>	<b>3 491</b>	<b>4 131</b>	<b>2.07</b>	<b>1.51</b>
<b>NORTH AMERICA</b>	6 675	8 289	2.52	2.03	188	224	1.36	0.37	412	570	2.85	2.01
Canada	496	600	2.70	2.01	48	65	9.89	0.50	9	8	-4.20	0.43
United States	6 179	7 689	2.51	2.03	140	159	-0.61	0.32	403	562	3.05	2.03
<b>LATIN AMERICA</b>	2 322	2 711	0.15	1.55	419	508	4.73	1.69	185	179	2.07	-0.64
Argentina	451	539	-1.26	1.58	3	1	2.99	0.00	65	69	2.52	-0.16
Brazil	775	909	0.67	2.01	31	30	2.12	1.90	4	6	6.22	2.92
Chile	103	120	1.95	1.19	62	69	12.74	1.05	7	6	0.90	-1.02
Colombia	63	70	0.29	1.18	6	9	11.71	2.31	1	1	19.93	-0.59
Mexico	324	394	-0.77	1.34	132	169	3.15	2.22	12	13	14.18	0.00
Paraguay	0	0	..	..	4	5	9.68	0.98	0	0	..	..
Peru	27	30	2.50	1.12	9	17	15.15	4.31	0	0	..	..
<b>EUROPE</b>	12 555	13 473	1.63	0.68	1 186	1 187	1.14	0.35	2 000	2 524	2.89	2.19
European Union <sup>1</sup>	10 685	11 235	1.53	0.49	206	214	1.85	1.00	1 391	1 782	2.20	2.47
United Kingdom	500	577	2.85	1.11	462	447	-0.24	-0.18	174	188	3.75	0.02
Russia	556	660	2.08	1.48	322	338	0.17	1.25	34	23	4.44	-3.02
Ukraine	103	105	-7.85	3.78	47	37	21.33	-2.04	6	6	-17.52	1.99
<b>AFRICA</b>	923	1 100	-1.10	1.77	133	253	-2.28	6.79	66	20	-13.79	-1.94
Egypt	522	605	-2.42	1.52	21	89	-7.84	13.10	50	2	-16.37	-11.58
Ethiopia	5	7	-0.17	3.23	0	0	..	..	0	1	..	29.45
Nigeria	9	9	-0.86	-0.50	1	7	7.80	11.12	0	0	..	..
South Africa	54	65	-2.01	1.97	8	7	-3.34	-0.74	11	12	3.06	0.75
<b>ASIA</b>	1 966	2 232	1.47	1.33	1 453	1 839	4.78	1.91	334	331	3.41	-0.10
China <sup>2</sup>	191	227	-0.88	1.70	151	164	13.04	1.11	0	0	..	..
India	6	3	8.13	-7.07	2	4	6.46	2.57	8	6	10.25	-2.50
Indonesia	0	0	..	..	31	47	6.03	2.87	2	2	15.32	-2.79
Iran	305	322	-0.47	0.47	0	0	..	..	97	84	8.66	-1.52
Japan	166	180	2.62	1.28	287	331	2.72	1.46	1	0	15.34	..
Kazakhstan	34	40	5.05	1.32	33	40	5.73	1.76	3	3	21.68	-1.71
Korea	44	44	3.37	0.49	153	183	6.62	1.74	1	1	23.32	0.00
Malaysia	0	0	..	..	37	52	10.32	2.29	1	1	24.42	-2.24
Pakistan	0	0	..	..	2	2	-5.38	1.96	0	0	..	..
Philippines	0	0	..	..	46	73	11.90	4.30	1	1	1.28	-4.12
Saudi Arabia	135	164	-2.07	2.03	197	239	3.90	0.71	83	74	-3.75	-0.70
Thailand	2	2	-9.45	0.95	19	20	8.50	0.00	1	1	..	2.00
Türkiye	255	319	2.97	2.59	9	5	-3.88	-6.98	47	80	1.17	7.50
Viet Nam	0	0	..	..	10	11	11.91	0.54	1	1	..	0.00
<b>OCEANIA</b>	786	842	2.45	0.20	112	120	2.71	0.57	493	507	1.03	-0.04
Australia	410	452	3.13	-0.06	97	103	1.93	0.40	154	157	-0.49	-1.14
New Zealand	376	390	1.78	0.51	13	15	11.13	1.68	340	350	1.81	0.52
<b>DEVELOPED COUNTRIES</b>	<b>20 754</b>	<b>23 449</b>	<b>2.01</b>	<b>1.14</b>	<b>1 849</b>	<b>1 986</b>	<b>1.60</b>	<b>0.71</b>	<b>2 930</b>	<b>3 621</b>	<b>2.57</b>	<b>1.80</b>
<b>DEVELOPING COUNTRIES</b>	<b>4 473</b>	<b>5 198</b>	<b>-0.07</b>	<b>1.54</b>	<b>1 642</b>	<b>2 145</b>	<b>4.39</b>	<b>2.31</b>	<b>561</b>	<b>510</b>	<b>-0.22</b>	<b>-0.34</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	442	537	1.83	1.87	27	88	4.81	10.86	0	0	..	..
<b>OECD<sup>3</sup></b>	<b>20 032</b>	<b>22 536</b>	<b>1.90</b>	<b>1.09</b>	<b>1 723</b>	<b>1 896</b>	<b>2.31</b>	<b>0.84</b>	<b>2 623</b>	<b>3 236</b>	<b>2.16</b>	<b>1.81</b>
<b>BRICS</b>	<b>1 582</b>	<b>1 864</b>	<b>0.81</b>	<b>1.76</b>	<b>514</b>	<b>543</b>	<b>2.55</b>	<b>1.22</b>	<b>57</b>	<b>47</b>	<b>4.96</b>	<b>-1.45</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

Table C.32.2. Cheese projections: Consumption, food

Calendar year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>25 218</b>	<b>28 638</b>	<b>1.72</b>	<b>1.23</b>	<b>3.2</b>	<b>3.3</b>	<b>0.62</b>	<b>0.39</b>
<b>NORTH AMERICA</b>	6 428	7 933	2.47	2.05	17.1	19.9	1.76	1.52
Canada	536	656	3.50	1.87	14.0	15.7	2.39	1.07
United States	5 892	7 277	2.38	2.07	17.4	20.4	1.72	1.56
<b>LATIN AMERICA</b>	2 556	3 040	0.67	1.72	3.9	4.3	-0.22	1.05
Argentina	389	470	-1.75	1.86	8.5	9.6	-2.55	1.28
Brazil	802	933	0.68	2.00	3.7	4.1	-0.06	1.53
Chile	157	183	5.23	1.22	8.1	9.3	4.07	1.00
Colombia	68	78	0.82	1.33	1.3	1.4	-0.43	0.83
Mexico	444	550	0.04	1.63	3.4	4.0	-0.90	0.98
Paraguay	4	4	11.42	1.02	0.6	0.5	9.92	0.00
Peru	36	46	4.59	2.19	1.1	1.2	3.10	1.33
<b>EUROPE</b>	11 760	12 136	1.41	0.36	15.7	16.4	1.30	0.52
European Union <sup>1</sup>	9 521	9 667	1.49	0.17	21.3	21.8	1.37	0.32
United Kingdom	788	836	0.78	0.65	11.7	12.0	0.23	0.36
Russia	844	976	0.91	1.53	5.8	6.9	0.83	1.83
Ukraine	144	137	-1.86	1.90	3.3	3.4	-1.34	2.62
<b>AFRICA</b>	991	1 333	-0.05	2.64	0.7	0.7	-2.57	0.36
Egypt	493	692	-1.11	2.59	4.7	5.5	-3.15	0.99
Ethiopia	5	7	-0.27	2.24	0.0	0.0	-2.93	0.00
Nigeria	11	16	-0.13	3.31	0.0	0.1	-3.20	0.87
South Africa	51	60	-3.18	1.86	0.8	0.9	-4.51	0.87
<b>ASIA</b>	3 084	3 741	2.71	1.75	0.7	0.7	1.79	1.18
China <sup>2</sup>	341	391	3.41	1.45	0.2	0.3	3.05	1.58
India	0	0	..	..	0.0	0.0	-67.82	4.34
Indonesia	29	45	5.55	3.25	0.1	0.1	4.45	2.40
Iran	207	238	-3.01	1.28	2.4	2.5	-4.31	0.41
Japan	450	510	2.62	1.40	3.6	4.3	2.96	1.98
Kazakhstan	64	78	4.89	1.66	3.4	3.7	3.50	0.80
Korea	195	226	5.76	1.50	3.7	4.3	5.39	1.66
Malaysia	36	51	9.99	2.46	1.1	1.4	8.58	1.45
Pakistan	2	2	-5.39	1.96	0.0	0.0	-7.28	0.30
Philippines	45	72	12.84	4.43	0.4	0.6	11.44	3.25
Saudi Arabia	249	328	3.25	1.71	7.0	8.2	1.29	0.61
Thailand	20	22	4.83	0.01	0.3	0.3	4.52	0.00
Türkiye	217	244	2.99	1.18	2.5	2.7	1.61	0.62
Viet Nam	9	10	11.00	0.59	0.1	0.1	10.06	0.00
<b>OCEANIA</b>	400	454	3.61	0.57	9.3	9.4	1.99	-0.52
Australia	349	398	3.67	0.54	13.4	13.8	2.20	-0.36
New Zealand	49	54	3.30	0.79	9.6	9.7	1.47	0.11
<b>DEVELOPED COUNTRIES</b>	<b>19 664</b>	<b>21 805</b>	<b>1.89</b>	<b>1.02</b>	<b>13.6</b>	<b>14.8</b>	<b>1.50</b>	<b>0.87</b>
<b>DEVELOPING COUNTRIES</b>	<b>5 555</b>	<b>6 833</b>	<b>1.11</b>	<b>1.93</b>	<b>0.9</b>	<b>0.9</b>	<b>-0.15</b>	<b>0.94</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>469</b>	<b>624</b>	<b>1.97</b>	<b>2.77</b>	<b>0.5</b>	<b>0.5</b>	<b>-0.36</b>	<b>0.63</b>
<b>OECD<sup>3</sup></b>	<b>19 123</b>	<b>21 186</b>	<b>1.91</b>	<b>0.99</b>	<b>13.6</b>	<b>14.7</b>	<b>1.40</b>	<b>0.78</b>
<b>BRICS</b>	<b>2 039</b>	<b>2 359</b>	<b>1.06</b>	<b>1.71</b>	<b>0.6</b>	<b>0.7</b>	<b>0.34</b>	<b>1.37</b>

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.33.1. Skim milk powder projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>4 541</b>	<b>5 488</b>	<b>1.01</b>	<b>1.96</b>	<b>2 583</b>	<b>3 295</b>	<b>2.58</b>	<b>2.24</b>	<b>2 632</b>	<b>3 295</b>	<b>2.46</b>	<b>2.24</b>
<b>NORTH AMERICA</b>	1 286	1 895	2.05	3.84	8	9	10.46	1.09	864	1 438	5.98	4.63
Canada	86	148	0.06	3.90	5	7	9.65	1.53	29	36	11.28	0.02
United States	1 199	1 747	2.21	3.84	2	2	12.37	0.00	834	1 402	5.80	4.78
<b>LATIN AMERICA</b>	294	347	-0.18	1.51	484	553	5.67	1.02	70	83	2.23	0.11
Argentina	39	44	1.35	1.05	0	0	..	..	24	27	-0.30	2.06
Brazil	161	201	0.64	2.06	21	20	-3.57	0.00	0	0	..	2.03
Chile	16	15	-4.25	-0.56	11	14	5.93	2.98	1	1	9.95	-2.43
Colombia	0	0	..	..	31	34	28.33	0.49	0	0	..	..
Mexico	45	48	-0.32	0.69	337	387	6.08	0.89	22	32	17.87	0.00
Paraguay	0	0	..	..	0	0	0.55	0.00	0	0	..	0.00
Peru	0	0	..	..	22	25	1.10	2.25	0	0	..	..
<b>EUROPE</b>	1 825	1 957	1.30	0.95	130	150	-5.53	0.92	976	1 063	3.50	1.39
European Union <sup>1</sup>	1 441	1 590	2.09	1.10	33	27	-1.45	-0.51	763	856	4.51	1.61
United Kingdom	55	66	-5.63	1.95	24	24	-6.71	-0.46	61	66	-0.98	1.73
Russia	90	76	4.16	-1.15	60	74	-8.06	0.57	2	2	-3.66	0.00
Ukraine	66	42	-8.09	0.15	3	13	14.60	20.94	15	1	-5.45	-17.31
<b>AFRICA</b>	14	13	3.22	0.32	417	572	1.93	3.26	23	19	3.73	-2.02
Egypt	0	0	..	..	70	100	-0.67	3.13	0	0	-33.02	..
Ethiopia	0	0	..	..	3	4	43.97	2.24	0	0	..	..
Nigeria	0	0	..	..	81	100	9.45	6.60	0	0	..	-4.05
South Africa	3	1	-6.15	-1.89	13	10	6.60	0.20	9	9	0.53	-0.20
<b>ASIA</b>	590	757	3.78	1.89	1 524	1 990	2.78	2.45	187	194	-0.29	-0.59
China <sup>2</sup>	22	36	-11.58	4.18	364	371	7.08	1.26	2	3	8.58	0.00
India	301	412	5.07	2.75	0	0	-2.40	..	33	3	-10.35	-20.41
Indonesia	0	0	..	..	202	301	4.38	3.07	1	1	-5.01	-2.98
Iran	45	83	20.41	1.15	5	5	-4.60	0.00	50	88	17.74	1.08
Japan	149	149	1.94	-0.23	25	15	-6.07	-3.19	0	0	..	..
Kazakhstan	1	0	-4.81	..	23	29	1.73	1.24	1	1	16.51	-1.22
Korea	14	18	-5.27	1.15	16	13	-3.46	-0.73	0	0	..	..
Malaysia	0	0	..	..	124	177	0.17	2.44	2	1	-32.76	-2.38
Pakistan	0	0	..	..	18	21	-5.48	3.17	0	0	..	..
Philippines	0	0	..	..	189	366	6.87	4.65	1	1	..	-4.44
Saudi Arabia	0	0	..	..	16	19	-17.95	0.47	9	8	-8.78	-0.47
Thailand	0	0	..	..	65	68	0.29	0.03	5	6	26.88	0.25
Türkiye	47	52	15.07	2.54	3	3	17.26	0.00	41	54	23.63	2.40
Viet Nam	0	0	..	..	103	96	4.91	0.59	1	1	-0.29	0.00
<b>OCEANIA</b>	533	519	-3.43	0.27	22	21	9.01	0.68	512	497	-2.48	0.01
Australia	151	134	-5.95	-0.75	14	13	11.85	0.18	135	118	-3.11	-1.84
New Zealand	382	385	-2.24	0.65	4	3	-4.01	0.00	377	379	-2.24	0.65
<b>DEVELOPED COUNTRIES</b>	<b>3 807</b>	<b>4 530</b>	<b>0.75</b>	<b>1.93</b>	<b>238</b>	<b>266</b>	<b>-2.87</b>	<b>0.81</b>	<b>2 367</b>	<b>3 010</b>	<b>2.66</b>	<b>2.53</b>
<b>DEVELOPING COUNTRIES</b>	<b>734</b>	<b>958</b>	<b>2.44</b>	<b>2.12</b>	<b>2 345</b>	<b>3 029</b>	<b>3.30</b>	<b>2.37</b>	<b>265</b>	<b>284</b>	<b>0.52</b>	<b>-0.48</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	6	7	25.37	0.70	122	206	1.20	4.80	13	10	11.94	-3.37
<b>OECD<sup>3</sup></b>	<b>3 632</b>	<b>4 398</b>	<b>0.86</b>	<b>2.03</b>	<b>510</b>	<b>550</b>	<b>3.87</b>	<b>0.58</b>	<b>2 278</b>	<b>2 962</b>	<b>3.04</b>	<b>2.64</b>
<b>BRICS</b>	<b>578</b>	<b>726</b>	<b>2.33</b>	<b>2.12</b>	<b>458</b>	<b>475</b>	<b>2.96</b>	<b>1.06</b>	<b>47</b>	<b>17</b>	<b>-7.08</b>	<b>-8.92</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en

**Table C.33.2. Skim milk powder projections: Consumption, food**

Calendar year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>4 486</b>	<b>5 489</b>	<b>1.53</b>	<b>1.96</b>	<b>0.5</b>	<b>0.6</b>	<b>0.27</b>	<b>1.10</b>
<b>NORTH AMERICA</b>	432	467	-3.14	1.66	1.1	0.9	-3.79	0.20
Canada	64	119	-1.32	5.26	0.9	0.7	0.89	0.48
United States	368	347	-3.45	0.68	1.1	1.0	-4.08	0.18
<b>LATIN AMERICA</b>	708	817	3.18	1.32	0.8	0.9	3.17	0.42
Argentina	16	18	6.57	-0.30	0.3	0.4	5.71	-0.87
Brazil	182	220	0.04	1.86	0.1	0.1	-2.89	-0.44
Chile	26	28	-1.40	1.17	1.4	1.4	-2.48	0.95
Colombia	31	34	28.44	0.50	0.6	0.6	26.84	0.00
Mexico	360	403	4.56	0.94	2.8	2.9	3.58	0.29
Paraguay	0	0	..	..	0.0	0.0	-13.15	0.00
Peru	22	25	1.10	2.26	0.6	0.7	-0.35	1.40
<b>EUROPE</b>	978	1 044	0.02	0.51	1.1	1.3	-1.26	0.86
European Union <sup>1</sup>	710	761	1.89	0.49	1.2	1.5	0.37	0.90
United Kingdom	18	24	-17.12	0.04	0.3	0.3	-17.57	-0.25
Russia	148	148	-2.09	-0.36	1.0	1.0	-2.17	-0.06
Ukraine	54	54	-8.11	3.53	1.2	1.3	-7.62	4.25
<b>AFRICA</b>	408	566	1.85	3.41	0.3	0.3	-0.87	1.06
Egypt	70	100	-0.49	3.13	0.7	0.8	-2.53	1.52
Ethiopia	3	4	46.61	2.24	0.0	0.0	42.71	0.00
Nigeria	81	100	9.42	6.61	0.3	0.3	6.05	4.09
South Africa	7	3	3.78	0.34	0.1	0.0	2.35	-0.64
<b>ASIA</b>	1 919	2 552	3.46	2.55	0.4	0.5	2.56	1.99
China <sup>2</sup>	384	404	4.92	1.49	0.3	0.3	4.56	1.62
India	269	409	11.22	3.54	0.2	0.3	10.05	2.72
Indonesia	201	300	4.47	3.09	0.7	0.9	3.37	2.24
Iran	0	0	-72.05	..	0.0	0.0	-74.87	0.00
Japan	167	164	-0.19	-0.54	1.1	1.1	-0.32	-0.52
Kazakhstan	23	28	0.89	1.38	1.2	1.3	-0.45	0.52
Korea	29	31	0.12	0.31	0.5	0.6	-0.23	0.47
Malaysia	122	175	4.48	2.49	3.7	4.7	3.14	1.48
Pakistan	18	21	-5.19	3.23	0.1	0.1	-7.09	1.55
Philippines	188	365	6.82	4.69	1.6	2.8	5.49	3.50
Saudi Arabia	7	11	-23.22	1.26	0.2	0.3	-24.67	0.17
Thailand	60	62	-0.67	0.01	0.8	0.9	-0.96	0.00
Türkiye	9	1	22.50	0.55	0.1	0.0	23.05	0.00
Viet Nam	102	95	5.02	0.59	1.0	0.9	4.13	0.00
<b>OCEANIA</b>	42	43	-9.80	3.91	1.0	0.9	-11.23	2.77
Australia	29	29	-13.40	5.30	1.1	1.0	-14.62	4.36
New Zealand	9	9	-2.61	0.64	1.8	1.6	-4.33	-0.05
<b>DEVELOPED COUNTRIES</b>	<b>1 673</b>	<b>1 786</b>	<b>-1.10</b>	<b>0.82</b>	<b>1.0</b>	<b>1.1</b>	<b>-2.24</b>	<b>0.53</b>
<b>DEVELOPING COUNTRIES</b>	<b>2 814</b>	<b>3 703</b>	<b>3.42</b>	<b>2.56</b>	<b>0.4</b>	<b>0.5</b>	<b>2.32</b>	<b>1.58</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>115</b>	<b>204</b>	<b>1.00</b>	<b>5.22</b>	<b>0.1</b>	<b>0.2</b>	<b>-1.31</b>	<b>3.01</b>
<b>OECD<sup>3</sup></b>	<b>1 858</b>	<b>1 985</b>	<b>0.24</b>	<b>0.81</b>	<b>1.2</b>	<b>1.2</b>	<b>-0.82</b>	<b>0.47</b>
<b>BRICS</b>	<b>990</b>	<b>1 183</b>	<b>3.58</b>	<b>1.96</b>	<b>0.2</b>	<b>0.3</b>	<b>3.55</b>	<b>1.60</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



**Table C.34.1. Whole milk powder projections: Production and trade**

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>5 055</b>	<b>5 929</b>	<b>-0.40</b>	<b>1.69</b>	<b>2 752</b>	<b>2 753</b>	<b>0.69</b>	<b>0.60</b>	<b>2 726</b>	<b>2 753</b>	<b>0.93</b>	<b>0.60</b>
<b>NORTH AMERICA</b>	71	83	16.70	1.28	13	14	-3.85	0.00	45	72	19.71	4.37
Canada	8	7	-2.24	-1.68	3	3	-0.46	0.00	1	1	3.41	1.26
United States	62	76	23.34	1.60	10	11	-4.57	0.00	44	71	20.25	4.41
<b>LATIN AMERICA</b>	1 370	1 646	0.65	1.68	295	293	-4.51	0.67	342	359	1.07	1.17
Argentina	187	213	-2.93	1.17	0	0	..	..	146	154	-0.89	2.36
Brazil	578	735	0.00	2.30	66	52	2.59	-1.10	4	15	-20.73	8.46
Chile	104	119	2.15	0.97	7	3	-1.81	-2.63	4	12	-17.08	2.12
Colombia	45	41	0.57	-0.76	20	43	17.82	5.09	2	0	-8.11	-4.70
Mexico	229	272	1.04	1.41	31	36	-3.25	0.17	17	18	7.73	0.00
Paraguay	0	0	..	..	7	7	25.11	0.00	7	7	25.16	0.00
Peru	0	0	..	..	27	33	8.15	1.81	0	0	..	..
<b>EUROPE</b>	801	678	-1.44	-0.71	61	67	-7.08	1.51	389	304	-2.78	-1.29
European Union <sup>1</sup>	650	517	-1.08	-1.09	17	12	-9.53	0.00	299	213	-3.72	-2.00
United Kingdom	33	38	-6.92	1.18	15	12	-7.90	-0.02	33	28	-4.65	0.58
Russia	58	60	-0.26	0.18	25	37	-6.32	2.71	20	21	54.42	0.00
Ukraine	6	3	-7.46	-1.60	1	2	..	8.14	3	1	15.38	-7.52
<b>AFRICA</b>	23	22	-4.42	0.03	558	702	-0.22	2.62	18	13	-8.06	-1.65
Egypt	0	0	..	..	31	52	-8.70	4.11	5	1	-1.06	-3.95
Ethiopia	0	0	..	..	2	2	22.58	2.21	0	0	..	..
Nigeria	0	0	..	..	57	55	-4.36	1.46	0	0	-4.53	..
South Africa	6	7	-2.99	0.86	4	3	6.45	-0.23	6	6	-4.22	0.23
<b>ASIA</b>	1 193	1 801	-3.16	3.72	1 779	1 647	2.32	-0.15	360	323	2.92	-0.51
China <sup>2</sup>	1 017	1 596	-3.92	3.90	731	578	4.56	-1.84	2	4	-8.45	0.31
India	4	5	0.51	1.22	0	0	..	3.78	2	2	-5.41	1.78
Indonesia	94	137	3.82	3.10	63	94	3.95	2.16	1	1	-20.02	-0.41
Iran	1	1	-0.85	0.64	4	5	11.76	0.00	5	6	17.60	0.08
Japan	35	13	-0.83	0.23	2	3	57.80	0.00	0	0	..	..
Kazakhstan	28	33	4.40	1.17	2	5	-8.25	2.39	0	0	..	..
Korea	1	1	-9.41	0.94	6	6	14.61	-0.57	0	0	..	..
Malaysia	0	0	..	..	45	46	6.79	0.89	29	19	8.09	-0.88
Pakistan	0	0	..	..	0	0	-25.74	3.23	0	0	-38.08	..
Philippines	0	0	..	..	20	16	-4.32	1.38	8	6	-8.58	-1.36
Saudi Arabia	0	0	..	..	124	118	1.78	0.63	11	15	-7.08	-0.63
Thailand	0	0	..	..	64	70	7.35	0.03	3	3	-1.99	0.46
Türkiye	2	2	288.23	2.54	0	0	-26.80	0.00	2	2	10.16	2.16
Viet Nam	0	0	..	..	40	39	-0.76	0.40	14	12	27.85	0.00
<b>OCEANIA</b>	1 598	1 698	1.41	0.89	47	30	14.70	-1.44	1 571	1 682	1.42	0.98
Australia	45	35	-10.78	-1.18	39	22	22.11	-2.31	40	45	-9.00	2.31
New Zealand	1 553	1 664	2.04	0.94	3	3	6.45	0.00	1 530	1 636	1.86	0.94
<b>DEVELOPED COUNTRIES</b>	<b>2 540</b>	<b>2 514</b>	<b>0.68</b>	<b>0.45</b>	<b>132</b>	<b>125</b>	<b>-0.96</b>	<b>0.46</b>	<b>2 011</b>	<b>2 064</b>	<b>0.68</b>	<b>0.71</b>
<b>DEVELOPING COUNTRIES</b>	<b>2 515</b>	<b>3 415</b>	<b>-1.39</b>	<b>2.71</b>	<b>2 619</b>	<b>2 628</b>	<b>0.78</b>	<b>0.61</b>	<b>715</b>	<b>689</b>	<b>1.66</b>	<b>0.30</b>
LEAST DEVELOPED COUNTRIES (LDC)	8	5	-7.47	-2.28	262	348	2.34	3.38	6	4	-14.76	-3.27
<b>OECD<sup>3</sup></b>	<b>2 784</b>	<b>2 799</b>	<b>0.82</b>	<b>0.52</b>	<b>160</b>	<b>160</b>	<b>1.00</b>	<b>0.71</b>	<b>1 972</b>	<b>2 026</b>	<b>0.54</b>	<b>0.71</b>
<b>BRICS</b>	<b>1 664</b>	<b>2 403</b>	<b>-2.56</b>	<b>3.26</b>	<b>826</b>	<b>671</b>	<b>3.65</b>	<b>-1.58</b>	<b>35</b>	<b>49</b>	<b>-0.60</b>	<b>2.12</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

**Table C.34.2. Whole milk powder projections: Consumption, food**

Calendar year

	CONSUMPTION (kt)		Growth (%) <sup>4</sup>		FOOD (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>5 084</b>	<b>5 928</b>	<b>-0.51</b>	<b>1.69</b>	<b>0.6</b>	<b>0.7</b>	<b>-1.55</b>	<b>0.84</b>
<b>NORTH AMERICA</b>	39	25	4.91	-5.30	0.1	0.1	4.19	-5.79
Canada	10	9	-3.74	-1.43	0.3	0.2	-4.77	-2.20
United States	29	16	9.16	-7.06	0.1	0.0	8.45	-7.52
<b>LATIN AMERICA</b>	1 322	1 579	-0.76	1.60	2.0	2.2	-1.62	0.93
Argentina	40	59	-7.65	-1.45	0.9	1.2	-8.40	-2.01
Brazil	641	772	0.56	1.95	3.0	3.4	-0.18	1.48
Chile	107	110	3.64	0.72	5.5	5.6	2.50	0.51
Colombia	63	84	4.27	1.86	1.2	1.5	2.97	1.35
Mexico	243	290	0.04	1.33	1.9	2.1	-0.90	0.68
Paraguay	0	0	..	..	0.0	0.0	-23.59	0.00
Peru	27	33	8.16	1.81	0.8	0.9	6.61	0.96
<b>EUROPE</b>	472	441	-1.19	0.04	0.6	0.6	-1.30	0.20
European Union <sup>1</sup>	368	316	0.90	-0.37	0.8	0.7	0.79	-0.23
United Kingdom	15	22	-12.84	1.26	0.2	0.3	-13.31	0.97
Russia	63	75	-6.15	1.39	0.4	0.5	-6.22	1.69
Ukraine	3	4	-15.55	3.53	0.1	0.1	-15.10	4.26
<b>AFRICA</b>	562	711	-0.06	2.63	0.4	0.4	-2.57	0.36
Egypt	26	51	-13.66	4.29	0.2	0.4	-15.44	2.66
Ethiopia	2	2	23.09	2.24	0.0	0.0	19.80	0.00
Nigeria	56	55	-4.27	1.47	0.2	0.2	-7.22	-0.93
South Africa	4	4	14.11	0.95	0.1	0.1	12.54	-0.04
<b>ASIA</b>	2 611	3 124	-0.59	1.95	0.5	0.6	-1.43	1.37
China <sup>2</sup>	1 746	2 170	-1.20	2.03	1.2	1.4	-1.54	2.16
India	3	3	11.87	0.80	0.0	0.0	10.69	0.00
Indonesia	156	230	4.43	2.72	0.5	0.7	3.34	1.87
Iran	0	0	-66.54	..	0.0	0.0	-69.92	0.00
Japan	37	16	0.03	0.19	0.3	0.1	0.36	0.76
Kazakhstan	30	37	2.86	1.32	1.6	1.8	1.50	0.46
Korea	6	6	4.84	0.60	0.1	0.1	4.47	0.76
Malaysia	16	27	4.22	2.34	0.5	0.7	2.88	1.33
Pakistan	0	0	3.39	3.24	0.0	0.0	1.33	0.00
Philippines	12	9	5.02	3.76	0.1	0.1	3.72	2.59
Saudi Arabia	113	103	3.44	0.83	3.2	2.6	1.47	-0.26
Thailand	61	66	8.04	0.01	0.9	0.9	7.73	0.00
Türkiye	0	0	..	0.55	0.0	0.0	-1.76	0.00
Viet Nam	26	27	-4.74	0.59	0.3	0.2	-5.54	0.00
<b>OCEANIA</b>	77	47	7.30	-3.12	1.8	1.0	5.64	-4.18
Australia	44	12	4.87	-9.88	1.7	0.4	3.39	-10.69
New Zealand	29	30	20.33	0.52	5.6	5.4	18.24	-0.17
<b>DEVELOPED COUNTRIES</b>	<b>665</b>	<b>576</b>	<b>0.27</b>	<b>-0.44</b>	<b>0.5</b>	<b>0.4</b>	<b>-0.12</b>	<b>-0.59</b>
<b>DEVELOPING COUNTRIES</b>	<b>4 419</b>	<b>5 352</b>	<b>-0.63</b>	<b>1.94</b>	<b>0.7</b>	<b>0.7</b>	<b>-1.83</b>	<b>0.95</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>264</b>	<b>349</b>	<b>2.78</b>	<b>3.38</b>	<b>0.3</b>	<b>0.3</b>	<b>0.41</b>	<b>1.22</b>
<b>OECD<sup>3</sup></b>	<b>974</b>	<b>932</b>	<b>1.35</b>	<b>0.15</b>	<b>0.7</b>	<b>0.6</b>	<b>0.84</b>	<b>-0.06</b>
<b>BRICS</b>	<b>2 456</b>	<b>3 025</b>	<b>-0.90</b>	<b>1.99</b>	<b>0.7</b>	<b>0.9</b>	<b>-1.54</b>	<b>1.65</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.35. Whey powder projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>1</sup>		IMPORTS (kt)		Growth (%)		EXPORTS (kt)		Growth (%)	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>3 383</b>	<b>3 699</b>	<b>1.79</b>	<b>0.77</b>	<b>1 615.2</b>	<b>1 844.5</b>	<b>2.62</b>	<b>1.47</b>	<b>1 979.5</b>	<b>2 169.9</b>	<b>1.14</b>	<b>1.23</b>
<b>NORTH AMERICA</b>	479	549	-1.19	1.28	6.4	6.8	0.96	0.21	222.0	281.0	-2.03	2.18
Canada	40	48	2.62	2.01	6.4	6.8	0.96	0.21	43.2	48.5	3.56	1.48
United States	439	500	-1.48	1.22	0.0	0.0	..	..	178.7	232.4	-3.05	2.33
<b>LATIN AMERICA</b>	161	191	0.26	1.42	101.1	173.8	-1.36	2.16	151.5	233.5	-2.62	2.06
Argentina	74	89	0.74	1.58	0.5	0.5	-18.12	0.00	50.8	60.6	-4.17	1.57
Brazil	0	0	..	..	17.5	19.0	-1.94	0.00	0.5	0.5	..	0.00
Chile	11	13	2.70	1.19	10.6	21.2	20.19	1.95	17.0	28.0	6.93	1.50
Colombia	0	0	..	..	13.2	15.7	5.80	1.41	13.2	15.7	5.80	1.41
Mexico	58	71	0.66	1.34	27.3	66.1	-7.95	3.79	27.3	65.9	-7.95	3.66
Paraguay	0	0	..	..	0.8	0.8	28.31	0.00	0.0	0.0	..	..
Peru	0	0	..	..	11.3	15.7	3.39	2.94	11.3	15.7	3.39	2.94
<b>EUROPE</b>	2 409	2 574	2.31	0.60	158.9	167.4	-3.02	0.55	962.1	1 043.6	1.74	0.79
European Union <sup>2</sup>	2 144	2 262	2.38	0.51	46.0	51.1	-4.43	1.32	688.2	728.0	3.20	0.60
United Kingdom	73	84	1.74	0.75	53.3	47.0	6.01	-1.51	59.0	54.9	2.89	-0.96
Russia	1	1	0.91	0.00	39.0	38.0	-8.93	0.00	39.0	38.0	-8.93	0.00
Ukraine	24	27	-1.76	1.11	5.1	13.9	20.60	8.99	26.7	38.5	1.16	3.39
<b>AFRICA</b>	4	5	6.71	1.97	80.8	119.6	8.30	3.57	46.6	69.7	4.73	3.87
Egypt	0	0	..	..	20.8	30.3	3.85	3.44	20.8	30.3	3.85	3.44
Ethiopia	0	0	..	..	0.9	0.9	18.84	0.00	0.0	0.0	..	..
Nigeria	0	0	..	..	3.4	0.4	-4.99	-18.08	3.4	0.4	-4.99	-18.09
South Africa	4	5	6.72	1.97	21.3	32.9	12.92	3.85	0.4	0.0	-25.56	..
<b>ASIA</b>	183	219	5.12	1.54	1 236.9	1 345.6	3.65	1.38	551.2	499.3	2.68	1.08
China <sup>3</sup>	85	100	1.20	1.10	641.0	810.1	5.40	1.80	0.8	0.8	2.15	0.00
India	1	2	5.16	1.31	13.0	17.9	10.28	2.68	0.3	0.8	..	8.68
Indonesia	0	0	..	..	114.2	113.6	1.48	-0.16	114.2	113.6	1.48	-0.16
Iran	9	9	0.94	0.47	5.3	5.9	9.67	-0.59	6.3	6.3	-2.95	-1.30
Japan	19	19	486.75	0.00	49.8	51.0	-0.47	0.00	0.4	0.0	..	..
Kazakhstan	0	0	..	..	10.6	16.3	6.95	3.94	10.6	16.3	6.95	3.94
Korea	0	0	..	..	35.7	34.7	1.02	-0.13	0.1	0.0	..	..
Malaysia	0	0	..	..	88.0	111.8	1.78	2.10	88.0	111.8	1.78	2.10
Pakistan	0	0	..	..	18.5	0.0	-1.50	-61.80	18.5	0.0	-1.50	-64.57
Philippines	0	0	..	..	57.1	97.2	9.82	4.97	57.1	97.2	9.82	4.97
Saudi Arabia	0	0	..	..	8.4	15.1	11.54	5.54	8.4	15.1	11.55	5.54
Thailand	0	0	..	..	68.3	0.0	1.97	..	68.3	0.0	1.97	..
Türkiye	69	89	7.34	2.59	1.3	2.2	4.71	5.08	68.0	88.3	10.91	2.67
Viet Nam	0	0	..	..	42.5	0.0	2.37	..	42.5	0.0	2.37	..
<b>OCEANIA</b>	148	161	2.58	0.05	31.1	31.3	4.38	0.09	46.2	42.8	1.05	0.17
Australia	116	128	2.57	-0.06	12.7	12.7	0.72	0.00	33.0	30.0	-0.36	0.05
New Zealand	31	32	2.64	0.51	18.2	18.4	8.09	0.15	13.2	12.8	6.92	0.43
<b>DEVELOPED COUNTRIES</b>	<b>3 059</b>	<b>3 308</b>	<b>1.79</b>	<b>0.68</b>	<b>289.8</b>	<b>322.3</b>	<b>-0.42</b>	<b>0.95</b>	<b>1 244.8</b>	<b>1 388.3</b>	<b>0.96</b>	<b>1.08</b>
<b>DEVELOPING COUNTRIES</b>	<b>325</b>	<b>391</b>	<b>1.74</b>	<b>1.56</b>	<b>1 325.4</b>	<b>1 522.2</b>	<b>3.40</b>	<b>1.58</b>	<b>734.8</b>	<b>781.6</b>	<b>1.46</b>	<b>1.52</b>
LEAST DEVELOPED COUNTRIES (LDC)	0	0	..	..	24.0	32.2	8.25	2.59	12.3	16.9	5.07	2.90
<b>OECD<sup>4</sup></b>	<b>3 028</b>	<b>3 272</b>	<b>1.89</b>	<b>0.68</b>	<b>283.2</b>	<b>335.8</b>	<b>-0.13</b>	<b>0.80</b>	<b>1 154.6</b>	<b>1 318.8</b>	<b>1.65</b>	<b>1.11</b>
<b>BRICS</b>	<b>91</b>	<b>107</b>	<b>1.44</b>	<b>1.13</b>	<b>731.8</b>	<b>918.0</b>	<b>3.98</b>	<b>1.76</b>	<b>41.0</b>	<b>40.0</b>	<b>-8.90</b>	<b>0.11</b>

.. Not available

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Least-squares growth rate (see glossary).
2. Refers to all current European Union member States.
3. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
4. Excludes Iceland and Costa Rica but includes all EU member countries.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.36. Fresh dairy products projections: Production and food consumption**

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		FOOD CONSUMPTION (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>461 674</b>	<b>554 996</b>	<b>1.94</b>	<b>1.70</b>	<b>58.3</b>	<b>63.9</b>	<b>0.85</b>	<b>0.87</b>
<b>NORTH AMERICA</b>	25 015	23 865	-1.28	-0.39	66.2	59.7	-1.95	-0.91
Canada	2 735	2 658	-1.03	-0.19	72.1	64.4	-2.03	-0.97
United States	22 280	21 207	-1.31	-0.42	65.5	59.2	-1.95	-0.91
<b>LATIN AMERICA</b>	45 183	47 783	0.13	0.43	67.7	66.6	-0.76	-0.22
Argentina	1 618	1 692	-0.03	0.39	28.5	28.1	-0.26	-0.12
Brazil	24 747	25 506	0.31	0.07	114.4	112.3	-0.45	-0.37
Chile	170	113	-13.92	-0.96	8.8	5.7	-14.86	-1.18
Colombia	5 663	6 388	-0.01	1.27	109.7	117.6	-1.25	0.77
Mexico	3 460	3 286	-0.26	-0.46	26.7	23.6	-1.37	-1.10
Paraguay	540	694	0.85	2.20	73.5	84.3	-0.51	1.17
Peru	1 896	2 207	2.03	1.42	56.1	59.5	0.57	0.57
<b>EUROPE</b>	86 247	80 267	-0.03	-0.68	113.8	107.3	-0.11	-0.51
European Union <sup>1</sup>	40 745	36 946	0.66	-1.06	88.4	80.9	0.35	-0.89
United Kingdom	8 576	8 002	-2.26	-0.13	127.8	115.2	-1.68	-0.44
Russia	22 773	21 867	0.90	-0.74	158.1	156.5	0.79	-0.44
Ukraine	6 480	5 847	-2.58	0.41	148.6	144.7	-2.06	1.11
<b>AFRICA</b>	37 028	49 208	1.58	2.86	26.7	27.7	-0.96	0.57
Egypt	1 329	1 804	-0.46	2.95	12.6	14.3	-2.50	1.34
Ethiopia	4 622	6 427	4.78	3.45	38.2	41.5	1.98	1.19
Nigeria	221	286	-0.71	2.46	0.9	0.9	-3.77	0.04
South Africa	3 101	3 390	2.85	0.96	51.2	50.0	1.44	-0.03
<b>ASIA</b>	264 472	350 288	3.45	2.55	56.5	70.2	2.55	1.99
China <sup>2</sup>	31 808	34 919	4.38	0.35	21.8	24.3	4.38	0.51
India	125 164	170 995	3.98	2.92	89.0	111.1	2.88	2.10
Indonesia	1 001	1 391	0.44	3.55	3.4	4.3	-0.62	2.69
Iran	2 410	2 802	2.78	1.46	27.9	29.3	1.40	0.59
Japan	4 643	4 456	-0.99	-0.51	37.0	37.8	-0.66	0.06
Kazakhstan	5 392	6 737	2.84	1.89	283.4	320.7	1.48	1.02
Korea	446	508	-0.66	1.12	8.7	9.8	-0.47	1.04
Malaysia	52	63	-5.60	1.64	1.6	1.7	-6.81	0.64
Pakistan	48 268	68 208	3.62	3.14	213.8	251.1	1.55	1.46
Philippines	17	20	-2.58	1.69	0.1	0.2	-3.79	0.54
Saudi Arabia	2 067	2 353	7.11	1.11	58.2	58.5	5.07	0.01
Thailand	1 149	1 304	1.32	0.89	16.3	18.4	1.02	0.88
Türkiye	14 595	19 029	1.96	2.84	171.1	210.0	0.59	2.28
Viet Nam	1 141	1 971	9.77	4.79	11.4	18.4	8.85	4.17
<b>OCEANIA</b>	3 729	3 585	2.14	0.70	68.1	63.8	-1.37	-0.93
Australia	3 142	2 973	1.89	0.78	102.8	98.7	-0.91	-0.72
New Zealand	576	597	3.57	0.24	45.7	42.5	-4.71	-0.82
<b>DEVELOPED COUNTRIES</b>	<b>142 938</b>	<b>142 792</b>	<b>0.06</b>	<b>0.00</b>	<b>97.6</b>	<b>95.9</b>	<b>-0.36</b>	<b>-0.15</b>
<b>DEVELOPING COUNTRIES</b>	<b>318 736</b>	<b>412 204</b>	<b>2.88</b>	<b>2.37</b>	<b>49.4</b>	<b>57.3</b>	<b>1.64</b>	<b>1.38</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>22 022</b>	<b>30 540</b>	<b>1.48</b>	<b>3.16</b>	<b>23.9</b>	<b>26.2</b>	<b>-0.84</b>	<b>1.00</b>
<b>OECD<sup>3</sup></b>	<b>108 934</b>	<b>108 122</b>	<b>-0.05</b>	<b>0.02</b>	<b>76.0</b>	<b>73.9</b>	<b>-0.59</b>	<b>-0.19</b>
<b>BRICS</b>	<b>207 594</b>	<b>256 678</b>	<b>3.15</b>	<b>1.85</b>	<b>63.5</b>	<b>75.5</b>	<b>2.46</b>	<b>1.51</b>

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.37. Milk projections: Production, inventories, yield

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>1</sup>		INVENTORIES ('000 hd)		Growth (%)		YIELD (t/head)		Growth (%)	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>888 412</b>	<b>1 039 320</b>	<b>1.77</b>	<b>1.48</b>	<b>719 741</b>	<b>840 875</b>	<b>1.10</b>	<b>1.35</b>	<b>1.23</b>	<b>1.24</b>	<b>0.66</b>	<b>0.12</b>
NORTH AMERICA	113 168	128 478	1.46	1.24	10 392	10 607	0.24	0.24	10.89	12.11	1.22	0.99
Canada	10 910	13 104	2.86	1.70	977	982	0.43	0.10	11.17	13.35	2.42	1.59
United States	102 258	115 375	1.32	1.19	9 415	9 626	0.22	0.26	10.86	11.99	1.09	0.93
LATIN AMERICA	85 833	94 612	0.60	0.91	37 945	38 655	-2.75	0.10	2.26	2.45	3.45	0.81
Argentina	10 873	12 143	-0.36	1.01	1 715	1 697	-0.59	-0.10	6.34	7.16	0.24	1.10
Brazil	36 829	40 188	0.48	0.81	16 117	15 758	-4.51	-0.19	2.29	2.55	5.23	1.00
Chile	2 037	2 304	-0.56	1.23	848	852	-3.22	-0.13	2.40	2.70	2.74	1.37
Colombia	6 826	7 718	0.06	1.31	3 508	3 506	-5.18	-0.04	1.95	2.20	5.52	1.35
Mexico	13 215	14 008	1.99	0.60	2 638	2 692	1.15	0.30	5.01	5.20	0.83	0.30
Paraguay	556	713	0.84	2.20	219	259	-0.36	1.48	2.54	2.75	1.20	0.71
Peru	2 186	2 566	2.23	1.43	1 181	1 330	0.04	0.83	1.85	1.93	2.19	0.59
EUROPE	226 854	226 982	0.70	0.06	38 910	35 927	-1.30	-0.69	5.83	6.32	2.03	0.75
European Union <sup>2</sup>	153 372	151 160	0.94	-0.11	19 983	17 999	-0.97	-0.94	7.55	8.24	1.97	0.83
United Kingdom	15 101	16 066	0.89	0.45	1 855	1 822	0.09	-0.17	8.14	8.82	0.80	0.62
Russia	32 533	33 089	1.21	0.02	7 673	7 246	-1.04	-0.48	4.24	4.57	2.27	0.50
Ukraine	8 328	7 790	-4.21	1.02	2 391	2 104	-4.41	-1.02	3.48	3.70	0.21	2.05
AFRICA	47 996	62 040	1.29	2.58	234 632	278 183	1.69	1.43	0.20	0.22	-0.39	1.13
Egypt	5 134	5 982	-0.78	1.46	4 305	4 562	-6.37	0.60	1.19	1.31	5.97	0.86
Ethiopia	5 021	6 977	4.49	3.43	13 243	17 016	-1.84	2.21	0.38	0.41	6.46	1.20
Nigeria	529	664	-0.68	2.31	2 258	2 704	-0.24	1.61	0.23	0.25	-0.44	0.69
South Africa	3 786	4 190	1.72	1.10	1 014	1 084	0.64	0.48	3.74	3.87	1.08	0.62
ASIA	383 749	496 819	3.06	2.33	391 563	471 493	1.53	1.64	0.98	1.05	1.51	0.68
China <sup>3</sup>	40 934	48 692	2.06	1.16	13 983	14 628	0.08	0.42	2.63	3.05	2.40	0.86
India	188 931	249 558	3.78	2.54	140 316	175 235	1.57	2.01	1.35	1.42	2.18	0.52
Indonesia	1 579	2 236	1.62	3.38	14 807	19 803	1.96	2.49	0.11	0.11	-0.33	0.86
Iran	8 488	9 620	1.06	1.15	20 259	20 033	-0.19	0.01	0.42	0.48	1.25	1.14
Japan	7 589	7 265	0.36	-0.25	834	790	-0.76	-0.47	9.11	9.19	1.13	0.22
Kazakhstan	6 234	7 838	3.02	1.99	3 033	3 407	1.70	1.06	2.06	2.30	1.30	0.92
Korea	1 968	1 939	-1.28	0.01	307	293	-0.82	-0.29	6.40	6.62	-0.47	0.31
Malaysia	52	63	-5.60	1.64	49	47	-5.07	-0.24	1.06	1.35	-0.56	1.89
Pakistan	62 533	85 511	3.34	2.82	38 650	49 029	2.35	2.11	1.62	1.74	0.97	0.70
Philippines	17	20	-2.58	1.69	5	6	-0.02	0.22	3.15	3.64	-2.56	1.47
Saudi Arabia	3 062	3 565	3.53	1.39	5 537	6 039	1.42	0.84	0.55	0.59	2.08	0.54
Thailand	1 225	1 389	1.31	0.89	222	226	-0.50	-0.09	5.53	6.13	1.82	0.99
Türkiye	21 555	27 518	2.40	2.54	32 994	39 292	4.41	1.44	0.65	0.70	-1.93	1.08
Viet Nam	1 141	1 971	9.77	4.79	368	538	5.34	3.40	3.10	3.66	4.21	1.34
OCEANIA	30 810	30 390	0.06	0.29	6 299	6 010	-0.96	-0.19	4.89	5.06	1.03	0.48
Australia	8 806	8 243	-1.66	-0.07	1 344	1 174	-2.82	-0.38	6.55	7.02	1.19	0.31
New Zealand	21 984	22 126	0.82	0.43	4 903	4 786	-0.45	-0.14	4.48	4.62	1.27	0.57
<b>DEVELOPED COUNTRIES</b>	<b>409 280</b>	<b>432 483</b>	<b>0.98</b>	<b>0.59</b>	<b>72 878</b>	<b>72 433</b>	<b>-0.64</b>	<b>-0.05</b>	<b>5.62</b>	<b>5.97</b>	<b>1.63</b>	<b>0.64</b>
<b>DEVELOPING COUNTRIES</b>	<b>479 131</b>	<b>606 837</b>	<b>2.48</b>	<b>2.17</b>	<b>646 864</b>	<b>768 442</b>	<b>1.31</b>	<b>1.50</b>	<b>0.74</b>	<b>0.79</b>	<b>1.15</b>	<b>0.66</b>
LEAST DEVELOPED COUNTRIES (LDC)	30 200	40 092	1.70	2.79	225 418	266 868	1.80	1.43	0.13	0.15	-0.09	1.34
<b>OECD<sup>4</sup></b>	<b>372 557</b>	<b>394 010</b>	<b>1.06</b>	<b>0.61</b>	<b>80 849</b>	<b>85 051</b>	<b>0.91</b>	<b>0.43</b>	<b>4.61</b>	<b>4.63</b>	<b>0.15</b>	<b>0.17</b>
<b>BRICS</b>	<b>303 013</b>	<b>375 716</b>	<b>2.78</b>	<b>1.90</b>	<b>179 103</b>	<b>213 950</b>	<b>0.64</b>	<b>1.62</b>	<b>1.69</b>	<b>1.76</b>	<b>2.13</b>	<b>0.28</b>

Note: Calendar year; except year ending 30 June for New Zealand and Australia. Average 2020-22est: Data for 2022 are estimated.

1. Least-squares growth rate (see glossary).
2. Refers to all current European Union member States.
3. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
4. Excludes Iceland and Costa Rica but includes all EU member countries.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

### Table C.38. Main policy assumptions for dairy markets

Calendar year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>CANADA</b>												
Milk target price <sup>2</sup>	CADc/litre	90.0	94.3	96.5	98.5	100.5	102.7	104.7	106.8	109.0	111.1	113.3
Butter support price	CAD/t	8 461.5	8 952.6	9 151.0	9 370.1	9 546.6	9 754.4	9 946.3	10 140.4	10 349.2	10 549.2	10 756.6
Cheese tariff-quota	kt pw	48.0	60.9	63.2	65.4	65.7	65.9	66.2	66.5	66.8	67.1	67.4
In-quota tariff	%	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Out-of-quota tariff	%	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6
<b>EUROPEAN UNION<sup>3</sup></b>												
Voluntary coupled support												
Milk and milk products <sup>4</sup>	mIn EUR	722	814	817	823	827	813	813	813	813	813	813
Butter reference price <sup>5</sup>	EUR/t	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5	2 217.5
SMP reference price	EUR/t	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0	1 400.0
Butter tariff-quotas	kt pw	72.5	63.6	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0
Cheese tariff-quotas	kt pw	109.3	104.7	105.0	105.3	105.6	106.0	106.3	106.6	106.9	106.9	106.9
<b>JAPAN</b>												
Direct payments <sup>6</sup>	JPY/kg	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Cheese tariff <sup>7</sup>	%	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
Tariff-quotas												
Butter	kt pw	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
In-quota tariff	%	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
Out-of-quota tariff	%	242.6	199.5	194.9	198.0	198.1	198.9	200.4	200.7	201.9	202.3	203.1
SMP	kt pw	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
In-quota tariff	%	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Out-of-quota tariff	%	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
<b>MEXICO</b>												
Butter tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tariff-quotas												
Cheese	kt pw	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
In-quota tariff	%	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Out-of-quota tariff	%	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
SMP	kt pw	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
In-quota tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Out-of-quota tariff	%	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Liconsa social program	mIn MXN	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7	1 240.7
<b>RUSSIA</b>												
Butter tariff	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Cheese tariff	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
<b>UNITED STATES<sup>8</sup></b>												
Butter tariff-quota	kt pw	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
In-quota tariff	%	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
Out-of-quota tariff	%	32.2	32.6	32.2	32.0	31.4	30.8	30.2	29.6	29.0	28.5	27.9
Cheese tariff-quota	kt pw	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
In-quota tariff	%	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Out-of-quota tariff	%	33.1	32.6	32.4	32.1	31.6	31.1	30.6	30.1	29.6	29.1	28.6
<b>INDIA</b>												
Butter tariff	%	36.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Cheese tariff	%	32.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
Skim milk powder tariff	%	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
Whole milk powder tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>SOUTH AFRICA</b>												
Butter tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cheese tariff	%	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
Skim milk powder tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Whole milk powder tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## ANNEX C

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Note: Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. For manufacturing milk.
3. Since 2015 the Basic payment scheme (BPS) holds, which shall account for 68% maximum of the national direct payment envelopes. On top of this, compulsory policy instruments have been introduced: the Green Payment (30%) and young farmer scheme (2%).
4. Implemented in 19 Member States. The maximum quantity limit is 11.695 million dairy cow heads.
5. Buying-in when market prices go below the reference price for SMP and 90% of the reference price for butter is operable automatically for a maximum quantity of 109 000 tonnes for SMP and 50 000 tonnes for butter (before 2014, this ceiling was set at 30 000 tonnes). Above that ceiling intervention can take place only via tender. For 2018 due to a temporary measure the SMP buying in quantity at fixed prices of is set to 0. Buying in via a tendering procedure may still be possible.
6. In April 2017, in addition to skim milk powder, butter and cheese, milk used for fresh cream, concentrated skim milk and concentrated whole milk production became covered by the direct payments.
7. Excludes processed cheese.
8. A milk margin (all-milk price minus the average feed margin) protection program applies, which has been updated February 2018, and provides a dairy safety net to farmers. Farmers have to decide on enrolment and coverage levels.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.39.1. Fish and seafood projections: Production and trade**

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>180 766</b>	<b>201 735</b>	<b>1.76</b>	<b>1.08</b>	<b>43 953</b>	<b>45 659</b>	<b>1.36</b>	<b>0.40</b>	<b>42 140</b>	<b>44 259</b>	<b>0.81</b>	<b>0.65</b>
<b>NORTH AMERICA</b>	5 647	5 695	-1.72	-0.23	6 751	7 445	2.58	1.05	2 416	2 443	-2.45	-0.44
Canada	913	1 001	-1.74	0.99	706	780	1.27	0.56	773	828	-0.59	0.66
United States	4 734	4 694	-1.72	-0.47	6 045	6 665	2.75	1.11	1 643	1 615	-3.23	-0.96
<b>LATIN AMERICA</b>	16 869	15 204	2.69	0.05	2 377	2 666	-0.42	0.42	5 301	5 150	3.25	0.04
Argentina	850	904	0.23	0.59	67	70	1.13	0.00	595	627	-0.53	0.43
Brazil	1 396	1 547	1.21	0.97	508	561	-6.07	0.51	64	115	6.49	6.54
Chile	3 381	3 092	2.20	0.16	189	192	7.77	0.08	1 754	1 967	3.17	1.13
Colombia	316	355	9.26	0.13	260	301	0.97	1.05	56	54	-2.99	-0.16
Mexico	1 846	1 786	1.15	0.13	506	546	1.94	-0.54	255	228	6.24	-0.27
Paraguay	32	32	3.78	0.00	5	8	2.08	4.03	0	0	..	..
Peru	6 017	4 245	3.48	-0.64	155	350	1.53	6.69	659	363	0.51	-1.99
<b>EUROPE</b>	17 449	19 019	0.44	0.69	11 642	11 279	0.30	-0.09	10 462	10 544	0.69	0.27
European Union <sup>1</sup>	4 844	5 450	-1.90	0.66	8 198	8 265	0.82	0.22	2 483	2 439	-0.24	0.33
United Kingdom	857	911	-0.98	0.47	1 141	1 111	-1.35	-0.17	756	713	-2.35	-0.55
Norway	4 049	4 396	2.11	0.65	256	278	0.21	-0.56	3 082	3 097	1.13	-0.18
Russia	5 412	5 881	2.52	0.90	840	545	-3.29	-4.26	2 287	2 386	1.49	1.02
Ukraine	74	77	-11.62	2.83	515	450	1.41	0.88	30	23	-5.27	-0.36
<b>AFRICA</b>	12 537	13 987	2.71	0.90	4 730	6 375	0.62	2.44	3 122	2 650	3.90	-1.58
Egypt	2 006	2 349	4.35	1.98	457	1 038	-3.23	4.39	36	36	1.69	0.00
Ethiopia	61	72	4.69	1.66	4	6	6.14	4.20	1	0	-19.87	..
Nigeria	1 069	1 208	0.61	0.94	860	1 107	-2.53	2.14	4	4	-23.92	0.00
South Africa	533	549	-0.28	-0.22	282	381	3.42	2.07	161	132	-0.56	-2.05
<b>ASIA</b>	126 541	146 069	1.92	1.33	17 789	17 166	2.19	-0.23	19 845	22 543	0.31	1.46
China <sup>2</sup>	63 796	75 010	1.35	1.46	4 949	3 918	4.48	-1.45	7 235	9 714	-0.85	3.07
India	14 305	17 834	5.78	1.94	83	102	15.80	3.47	1 328	1 262	4.65	0.85
Indonesia	12 524	14 462	2.53	1.35	189	210	1.25	0.20	1 344	1 279	0.56	-0.12
Iran	1 262	1 308	4.40	0.28	32	20	-12.60	0.00	139	134	8.02	-0.04
Japan	3 738	3 378	-1.62	-0.88	3 283	3 376	-1.09	0.15	831	800	2.23	-0.62
Kazakhstan	48	49	3.42	0.42	64	65	-1.17	-0.03	36	35	-0.18	0.04
Korea	1 916	1 939	-1.05	-0.14	1 934	1 981	2.85	0.66	777	825	2.64	0.42
Malaysia	1 584	1 615	-1.35	-0.17	731	939	3.24	2.28	427	540	5.52	1.56
Pakistan	659	686	0.32	0.36	9	10	3.68	0.00	199	166	2.67	-2.91
Philippines	2 782	3 124	-1.04	1.15	569	504	7.66	-2.45	323	397	-2.96	2.69
Saudi Arabia	179	242	9.98	2.43	298	321	-1.15	0.11	41	47	1.45	0.00
Thailand	2 478	2 669	-0.90	0.93	2 225	1 993	3.45	-0.95	1 900	1 976	-1.76	0.73
Türkiye	820	1 071	4.89	2.24	130	127	4.66	-1.70	318	439	10.67	2.03
Viet Nam	8 251	8 812	4.46	0.78	502	565	8.00	0.26	2 619	2 725	0.18	0.29
<b>OCEANIA</b>	1 724	1 761	2.16	0.51	662	728	-0.63	0.61	995	931	1.01	0.19
Australia	282	311	2.55	1.43	465	528	-0.19	0.87	74	51	2.71	-2.58
New Zealand	468	515	-1.94	1.18	62	51	2.43	-0.65	360	360	-2.43	1.08
<b>DEVELOPED COUNTRIES</b>	<b>28 615</b>	<b>30 076</b>	<b>-0.18</b>	<b>0.34</b>	<b>22 813</b>	<b>23 415</b>	<b>0.75</b>	<b>0.36</b>	<b>14 365</b>	<b>14 391</b>	<b>0.09</b>	<b>0.08</b>
<b>DEVELOPING COUNTRIES</b>	<b>152 152</b>	<b>171 659</b>	<b>2.16</b>	<b>1.21</b>	<b>21 139</b>	<b>22 244</b>	<b>2.06</b>	<b>0.45</b>	<b>27 775</b>	<b>29 868</b>	<b>1.20</b>	<b>0.94</b>
LEAST DEVELOPED COUNTRIES (LDC)	14 058	16 259	2.83	1.55	1 353	1 550	2.02	1.21	1 928	1 583	7.10	-1.50
<b>OECD<sup>3</sup></b>	<b>28 184</b>	<b>28 921</b>	<b>-0.29</b>	<b>0.20</b>	<b>23 503</b>	<b>24 558</b>	<b>1.11</b>	<b>0.46</b>	<b>13 165</b>	<b>13 417</b>	<b>0.42</b>	<b>0.13</b>
<b>BRICS</b>	<b>85 442</b>	<b>100 820</b>	<b>2.06</b>	<b>1.49</b>	<b>6 661</b>	<b>5 507</b>	<b>2.09</b>	<b>-1.31</b>	<b>11 075</b>	<b>13 609</b>	<b>0.22</b>	<b>2.41</b>

.. Not available

Note: Fish: The term “fish” indicates fish, crustaceans, molluscs and other aquatic animals, but excludes aquatic mammals, crocodiles, caimans, alligators and aquatic plants. Imports and exports refer to trade of food fish i.e. for human consumption. All data are in live weight equivalent. Average 2020-22est: Data for 2022 are estimated.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Costa Rica.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), “OECD-FAO Agricultural Outlook”, OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



## ANNEX C

**Table C.39.2. Fish and seafood projections: Reduction, food consumption**

Calendar year

	REDUCTION (kt)		Growth (%) <sup>4</sup>		FOOD CONS. (kt)		Growth (%) <sup>4</sup>		FOOD CONS. (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>17 694</b>	<b>16 473</b>	<b>2.42</b>	<b>0.24</b>	<b>159 784</b>	<b>181 979</b>	<b>1.71</b>	<b>1.16</b>	<b>20.4</b>	<b>21.2</b>	<b>0.61</b>	<b>0.32</b>
<b>NORTH AMERICA</b>	1 092	1 093	1.93	0.08	8 570	9 290	1.65	0.80	22.8	23.4	0.94	0.27
Canada	7	9	-18.74	0.74	825	930	0.12	0.93	21.6	22.3	-0.96	0.14
United States	1 085	1 084	2.30	0.07	7 745	8 360	1.82	0.78	23.0	23.5	1.16	0.29
<b>LATIN AMERICA</b>	6 495	4 525	2.97	-0.85	6 940	7 762	1.08	0.92	10.6	11.0	0.19	0.25
Argentina	0	0	0.00	0.00	322	347	2.00	0.77	7.1	7.2	1.19	0.20
Brazil	98	116	1.85	1.64	1 742	1 876	-1.54	0.53	8.1	8.3	-2.27	0.07
Chile	1 265	849	0.49	-1.74	287	319	3.20	0.87	15.0	16.2	2.07	0.65
Colombia	0	0	0.00	0.00	519	602	6.23	0.61	10.1	11.2	4.93	0.11
Mexico	246	196	-1.11	0.00	1 850	1 909	1.13	0.00	14.6	14.0	0.19	-0.63
Paraguay	0	0	0.00	0.00	37	40	3.53	0.65	5.1	4.9	2.21	-0.36
Peru	4 599	3 112	4.22	-0.73	914	1 121	3.49	1.97	27.4	30.6	1.99	1.12
<b>EUROPE</b>	2 824	3 222	3.58	1.33	15 621	16 334	-0.08	0.33	20.9	22.1	-0.19	0.49
European Union <sup>1</sup>	698	770	0.28	0.77	9 817	10 437	-0.11	0.41	22.0	23.6	-0.23	0.56
United Kingdom	0	0	0.00	0.00	1 241	1 307	-0.50	0.50	18.4	18.8	-1.04	0.21
Norway	911	1 235	6.88	2.73	300	327	1.58	0.76	55.4	56.1	0.84	0.07
Russia	658	755	9.58	0.69	3 177	3 185	0.10	-0.20	21.9	22.7	0.02	0.10
Ukraine	0	0	0.00	0.00	559	504	-0.86	1.21	12.9	12.5	-0.34	1.92
<b>AFRICA</b>	684	753	-0.14	0.47	13 311	16 691	1.63	2.00	9.8	9.6	-0.90	-0.27
Egypt	0	0	0.00	0.00	2 427	3 351	2.67	2.68	23.3	26.9	0.60	1.08
Ethiopia	0	0	0.00	0.00	64	77	5.41	1.84	0.5	0.5	2.68	-0.39
Nigeria	0	0	0.00	0.00	1 925	2 311	-1.58	1.50	9.1	8.4	-4.10	-0.90
South Africa	266	310	1.69	1.22	388	488	1.48	1.17	6.5	7.3	0.10	0.18
<b>ASIA</b>	6 493	6 752	2.20	0.67	114 355	130 747	2.05	1.20	24.7	26.5	1.13	0.63
China <sup>2</sup>	1 515	1 721	-5.78	0.66	57 961	65 493	1.86	1.11	40.7	46.4	1.44	1.23
India	814	864	9.20	1.62	11 874	15 516	5.95	2.18	8.5	10.2	4.85	1.37
Indonesia	110	120	18.45	0.00	11 259	13 272	2.68	1.48	40.7	43.7	1.51	0.64
Iran	132	125	1.82	-0.19	1 022	1 068	3.38	0.37	12.0	11.4	2.02	-0.49
Japan	748	768	0.66	-0.09	5 375	5 087	-1.89	-0.42	43.1	43.4	-1.57	0.16
Kazakhstan	4	4	8.23	0.00	72	75	0.24	0.22	3.8	3.6	-1.09	-0.63
Korea	57	60	-11.58	0.00	2 869	2 946	0.61	0.23	55.4	57.7	0.25	0.39
Malaysia	70	63	-9.96	-0.03	1 806	1 931	0.49	0.49	55.1	52.6	-0.84	-0.50
Pakistan	91	90	-2.68	0.00	377	440	0.04	1.90	1.7	1.6	-1.97	0.24
Philippines	0	0	0.00	0.00	3 028	3 231	0.50	0.33	27.3	25.6	-0.92	-0.81
Saudi Arabia	0	0	0.00	0.00	436	517	2.03	1.14	12.3	12.9	0.09	0.05
Thailand	426	315	-0.88	-1.33	2 209	2 241	3.27	-0.06	31.6	31.9	2.95	-0.07
Türkiye	173	201	8.07	3.98	456	555	1.35	0.81	5.4	6.2	-0.02	0.26
Viet Nam	1 802	1 875	14.40	1.24	4 065	4 676	4.20	1.31	41.4	44.5	3.19	0.71
<b>OCEANIA</b>	105	128	-3.77	0.70	985	1 155	0.24	1.44	23.1	23.9	-1.33	0.34
Australia	35	41	-1.20	0.21	638	747	0.69	1.43	24.6	26.1	-0.73	0.52
New Zealand	48	66	-0.03	1.24	122	139	1.14	0.67	23.7	25.0	-0.66	-0.02
<b>DEVELOPED COUNTRIES</b>	<b>5 082</b>	<b>5 565</b>	<b>2.66</b>	<b>0.83</b>	<b>31 278</b>	<b>32 798</b>	<b>0.13</b>	<b>0.41</b>	<b>21.7</b>	<b>22.4</b>	<b>-0.26</b>	<b>0.26</b>
<b>DEVELOPING COUNTRIES</b>	<b>12 612</b>	<b>10 908</b>	<b>2.36</b>	<b>-0.03</b>	<b>128 506</b>	<b>149 181</b>	<b>2.13</b>	<b>1.33</b>	<b>20.2</b>	<b>21.0</b>	<b>0.87</b>	<b>0.35</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	326	317	0.26	0.00	12 772	15 508	2.09	2.04	14.0	13.5	-0.25	-0.10
<b>OECD<sup>3</sup></b>	<b>5 272</b>	<b>5 279</b>	<b>1.43</b>	<b>0.43</b>	<b>32 394</b>	<b>34 038</b>	<b>0.29</b>	<b>0.39</b>	<b>23.1</b>	<b>23.7</b>	<b>-0.21</b>	<b>0.18</b>
<b>BRICS</b>	<b>3 351</b>	<b>3 766</b>	<b>-0.35</b>	<b>0.95</b>	<b>75 142</b>	<b>86 557</b>	<b>2.25</b>	<b>1.23</b>	<b>23.2</b>	<b>25.7</b>	<b>1.53</b>	<b>0.89</b>

Note: Fish: The term “fish” indicates fish, crustaceans, molluscs and other aquatic animals, but excludes aquatic mammals, crocodiles, caimans, alligators and aquatic plants. Imports and exports refer to trade of food fish i.e. for human consumption. All data are in live weight equivalent. Average 2020-22est: Data for 2022 are estimated.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Costa Rica.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), “OECD-FAO Agricultural Outlook”, OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.40.1. Ethanol projections: Production and use**

Calendar year

	PRODUCTION (mln L)		Growth (%) <sup>4</sup>	DOMESTIC USE (mln L)		Growth (%) <sup>4</sup>	FUEL USE (mln L)		Growth (%) <sup>4</sup>
	Average 2020-22est	2032	2023-32	Average 2020-22est	2032	2023-32	Average 2020-22est	2032	2023-32
<b>WORLD</b>	<b>124 336</b>	<b>150 934</b>	<b>1.34</b>	<b>124 351</b>	<b>150 983</b>	<b>1.35</b>	<b>100 932</b>	<b>125 053</b>	<b>1.48</b>
<b>NORTH AMERICA</b>	59 571	63 495	0.26	56 735	60 431	0.29	54 184	57 076	0.20
Canada	1 927	2 410	1.96	3 277	5 645	4.45	2 958	5 254	4.66
United States	57 644	61 085	0.20	53 458	54 787	-0.06	51 226	51 822	-0.16
<b>LATIN AMERICA</b>	35 237	46 834	2.32	33 777	45 579	2.41	30 589	41 143	2.56
Argentina	1 196	1 515	1.18	1 165	1 487	1.18	954	1 196	0.77
Brazil	31 287	41 682	2.37	29 553	40 201	2.51	27 890	37 560	2.63
Chile	5	9	8.80	53	52	1.09	0	0	0.00
Colombia	467	725	6.13	747	1 035	3.19	636	922	3.65
Mexico	157	228	0.11	463	496	0.56	264	301	1.05
Paraguay	642	846	1.89	442	579	1.91	404	539	2.07
Peru	237	301	2.27	290	357	1.88	185	250	2.00
<b>EUROPE</b>	8 151	8 944	1.00	9 135	9 840	0.80	5 775	6 603	1.14
European Union <sup>1</sup>	6 616	7 229	1.09	6 999	7 476	0.83	4 821	5 442	1.15
United Kingdom	657	822	0.23	1 180	1 379	0.62	847	1 044	0.83
Russia	620	593	0.12	537	522	0.15	0	0	0.00
Ukraine	141	171	4.66	187	222	3.39	75	104	5.51
<b>AFRICA</b>	1 138	1 206	2.60	1 380	1 680	1.80	123	106	0.35
Egypt	10	13	2.60	10	13	2.68	0	0	0.00
Ethiopia	117	135	1.34	118	138	1.31	55	53	-1.09
Nigeria	49	102	7.30	307	413	1.40	0	0	0.00
South Africa	331	351	0.23	132	125	0.66	5	5	0.17
<b>ASIA</b>	19 904	30 121	2.42	23 051	33 211	2.19	10 068	19 940	3.59
China <sup>2</sup>	9 867	11 181	1.08	10 026	11 527	1.12	3 434	4 853	2.62
India	5 373	13 326	4.37	5 790	13 739	4.25	3 413	11 373	5.35
Indonesia	179	220	2.00	152	186	2.41	0	0	0.00
Iran	151	169	0.99	148	164	1.02	0	0	0.00
Japan	54	47	-0.02	1 738	1 770	-0.10	920	970	-0.19
Kazakhstan	60	70	1.35	59	68	1.39	0	0	0.00
Korea	158	124	-1.66	660	559	-1.03	5	3	-4.96
Malaysia	0	3	25.14	17	17	1.95	0	0	0.00
Pakistan	543	693	0.27	22	23	0.08	0	0	0.00
Philippines	383	604	3.13	857	1 081	1.63	588	783	1.20
Saudi Arabia	0	15	24.49	99	107	1.44	0	0	0.00
Thailand	1 733	1 910	0.11	1 753	1 936	0.21	1 453	1 623	0.24
Türkiye	141	184	2.11	334	349	1.05	92	100	0.29
Viet Nam	252	322	2.10	278	356	1.66	162	235	2.55
<b>OCEANIA</b>	335	335	-0.50	273	241	-0.64	193	186	-0.88
Australia	325	324	-0.55	265	231	-0.72	193	186	-0.88
New Zealand	3	3	0.00	0	0	..	0	0	0.00
<b>DEVELOPED COUNTRIES</b>	<b>68 545</b>	<b>73 302</b>	<b>0.35</b>	<b>68 147</b>	<b>72 565</b>	<b>0.35</b>	<b>61 077</b>	<b>64 840</b>	<b>0.29</b>
<b>DEVELOPING COUNTRIES</b>	<b>55 791</b>	<b>77 632</b>	<b>2.38</b>	<b>56 204</b>	<b>78 418</b>	<b>2.37</b>	<b>39 855</b>	<b>60 213</b>	<b>2.94</b>
LEAST DEVELOPED COUNTRIES (LDC)	667	669	3.54	652	850	2.68	0	0	0.00
<b>OECD<sup>3</sup></b>	<b>68 153</b>	<b>73 191</b>	<b>0.38</b>	<b>69 352</b>	<b>73 957</b>	<b>0.37</b>	<b>61 994</b>	<b>66 057</b>	<b>0.32</b>
<b>BRICS</b>	<b>47 478</b>	<b>67 134</b>	<b>2.47</b>	<b>46 038</b>	<b>66 113</b>	<b>2.56</b>	<b>34 743</b>	<b>53 791</b>	<b>3.15</b>

.. Not available

Note: Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.40.2. Ethanol projections: Share in volume terms and trade

Calendar year

	SHARE IN GASOLINE TYPE FUEL USE (%)		IMPORTS (mln L)		Growth (%) <sup>4</sup>	EXPORTS (mln L)		Growth (%) <sup>4</sup>
	Average 2020-22est	2032	Average 2020-22est	2032	2023-32	Average 2020-22est	2032	2023-32
<b>WORLD</b>	..	..	<b>10 893</b>	<b>11 863</b>	<b>1.35</b>	<b>10 187</b>	<b>11 863</b>	<b>1.35</b>
<b>NORTH AMERICA</b>	..	..	2 212	3 776	5.13	5 071	6 826	2.39
Canada	6.6	12.2	1 444	3 325	6.50	90	90	-0.03
United States	9.9	11.0	768	451	-1.64	4 981	6 736	2.43
<b>LATIN AMERICA</b>	..	..	1 621	1 393	-0.05	2 954	2 645	-0.20
Argentina	11.1	12.0	2	5	5.22	27	34	1.75
Brazil	46.5	55.9	566	275	0.76	2 176	1 752	-0.55
Chile	..	..	49	43	0.00	1	1	0.00
Colombia	..	..	285	312	-1.59	5	3	0.29
Mexico	0.7	0.8	307	269	0.96	1	1	-0.07
Paraguay	..	..	1	1	0.12	200	268	1.82
Peru	..	..	208	198	0.00	155	141	0.00
<b>EUROPE</b>	..	..	2 229	1 760	-0.38	866	929	1.36
European Union <sup>1</sup>	6.4	8.4	1 263	813	-1.48	529	631	2.08
United Kingdom	5.6	8.0	723	718	0.92	163	160	-0.02
Russia	0.0	0.0	1	2	-1.72	93	73	-0.10
Ukraine	..	..	69	59	0.00	22	8	0.00
<b>AFRICA</b>	..	..	724	776	0.00	282	302	0.00
Egypt	..	..	4	1	0.00	5	2	0.00
Ethiopia	..	..	2	2	0.00	0	0	..
Nigeria	..	..	259	311	0.00	0	1	0.00
South Africa	..	..	11	11	0.00	210	237	0.00
<b>ASIA</b>	..	..	4 082	4 150	0.14	920	1 060	0.05
China <sup>2</sup>	1.7	2.5	303	438	1.68	135	93	-0.81
India	..	..	523	519	0.71	108	106	-0.29
Indonesia	..	..	39	34	0.00	65	68	0.00
Iran	..	..	3	3	0.00	6	8	0.00
Japan	2.1	2.5	1 702	1 725	-0.11	1	2	-0.01
Kazakhstan	..	..	1	1	0.00	2	3	0.00
Korea	0.0	0.0	493	435	-0.83	0	0	..
Malaysia	..	..	17	14	0.00	0	0	..
Pakistan	..	..	0	0	1.16	521	670	0.27
Philippines	..	..	475	477	0.00	0	1	0.00
Saudi Arabia	..	..	99	93	0.00	0	0	..
Thailand	..	..	32	44	4.27	14	18	-1.81
Türkiye	..	..	200	169	0.00	7	3	0.00
Viet Nam	..	..	50	55	-0.83	24	21	0.83
<b>OCEANIA</b>	..	..	24	7	-0.81	95	101	-0.17
Australia	1.2	1.3	22	4	-1.25	90	97	-0.18
New Zealand	0.0	0.0	2	2	0.00	4	4	0.00
<b>DEVELOPED COUNTRIES</b>	..	..	<b>6 218</b>	<b>7 315</b>	<b>2.18</b>	<b>6 249</b>	<b>8 103</b>	<b>2.15</b>
<b>DEVELOPING COUNTRIES</b>	..	..	<b>4 675</b>	<b>4 548</b>	<b>0.15</b>	<b>3 938</b>	<b>3 760</b>	<b>-0.13</b>
LEAST DEVELOPED COUNTRIES (LDC)	..	..	221	224	0.00	36	44	0.00
<b>OECD<sup>3</sup></b>	..	..	<b>7 443</b>	<b>8 444</b>	<b>1.77</b>	<b>5 877</b>	<b>7 731</b>	<b>2.26</b>
<b>BRICS</b>	..	..	<b>1 404</b>	<b>1 244</b>	<b>1.04</b>	<b>2 722</b>	<b>2 260</b>	<b>-0.49</b>

.. Not available

Note: Average 2020-22est: Data for 2022 are estimated.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland and Costa Rica but includes all EU member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

**Table C.41.1. Biodiesel projections: Production and use**

Calendar year

	PRODUCTION (mln L)		Growth (%) <sup>4</sup>	DOMESTIC USE (mln L)		Growth (%) <sup>4</sup>
	Average 2020-22 <sup>est</sup>	2032		Average 2020-22 <sup>est</sup>	2032	
<b>WORLD</b>	<b>53 587</b>	<b>66 903</b>	<b>1.35</b>	<b>54 391</b>	<b>66 939</b>	<b>1.35</b>
NORTH AMERICA	10 210	16 861	2.80	11 626	17 840	2.47
Canada	388	685	5.23	446	934	7.18
United States	9 822	16 176	2.71	11 180	16 906	2.26
LATIN AMERICA	9 279	11 576	1.48	8 307	10 385	1.65
Argentina	1 792	2 247	0.55	681	1 026	1.17
Brazil	6 602	8 119	1.62	6 601	8 098	1.62
Chile	0	0	..	0	0	..
Colombia	662	862	2.35	662	862	2.35
Mexico	0	0	..	0	0	..
Paraguay	12	32	10.11	12	32	10.11
Peru	212	317	1.90	351	367	1.62
EUROPE	17 877	18 071	0.12	21 096	21 289	0.04
European Union <sup>1</sup>	17 271	17 328	0.04	19 409	19 649	-0.10
United Kingdom	606	744	2.25	1 435	1 412	2.25
Russia	0	0	..	0	0	..
Ukraine	0	0	..	0	0	..
AFRICA	0	0	..	0	0	..
Egypt	0	0	..	0	0	..
Ethiopia	0	0	..	0	0	..
Nigeria	0	0	..	0	0	..
South Africa	0	0	..	0	0	..
ASIA	16 195	20 375	1.31	13 351	17 421	1.80
China <sup>2</sup>	1 907	1 940	-2.01	562	728	1.96
India	189	207	0.74	162	195	0.75
Indonesia	9 418	12 385	1.52	9 277	12 103	1.48
Iran	0	0	..	0	0	..
Japan	23	22	-0.71	15	17	0.39
Kazakhstan	0	0	..	0	0	..
Korea	692	646	-1.09	669	623	-1.14
Malaysia	1 250	1 679	1.86	872	1 205	2.20
Pakistan	0	0	..	0	0	..
Philippines	201	321	2.36	201	321	2.36
Saudi Arabia	0	0	..	0	0	..
Thailand	1 620	2 279	4.88	1 594	2 229	4.65
Türkiye	0	0	..	0	0	..
Viet Nam	0	0	..	0	0	..
OCEANIA	26	19	0.59	11	4	3.13
Australia	26	19	0.59	11	4	3.14
New Zealand	0	0	..	0	0	..
<b>DEVELOPED COUNTRIES</b>	<b>28 136</b>	<b>34 973</b>	<b>1.33</b>	<b>32 749</b>	<b>39 150</b>	<b>1.07</b>
<b>DEVELOPING COUNTRIES</b>	<b>25 451</b>	<b>31 930</b>	<b>1.37</b>	<b>21 643</b>	<b>27 789</b>	<b>1.74</b>
LEAST DEVELOPED COUNTRIES (LDC)	0	0	..	0	0	..
<b>OECD<sup>3</sup></b>	<b>29 490</b>	<b>36 481</b>	<b>1.30</b>	<b>34 079</b>	<b>40 635</b>	<b>1.06</b>
<b>BRICS</b>	<b>8 697</b>	<b>10 265</b>	<b>0.82</b>	<b>7 325</b>	<b>9 021</b>	<b>1.62</b>

.. Not available

Note: Average 2020-22<sup>est</sup>: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

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Table C.41.2. Biodiesel projections: Share in volume terms and trade

Calendar year

	SHARE IN DIESEL TYPE FUEL USE (%)		IMPORTS (mln L)		Growth (%) <sup>4</sup>	EXPORTS (mln L)		Growth (%) <sup>4</sup>
	Average 2020-22est	2032	Average 2020-22est	2032	2023-32	Average 2020-22est	2032	2023-32
<b>WORLD</b>	..	..	<b>8 147</b>	<b>7 266</b>	<b>0.52</b>	<b>6 901</b>	<b>7 266</b>	<b>0.52</b>
<b>NORTH AMERICA</b>	..	..	2 662	2 588	0.86	1 246	1 609	3.12
Canada	2.4	5.5	366	699	6.47	308	450	3.50
United States	6.5	10.0	2 296	1 889	-0.66	938	1 159	2.98
<b>LATIN AMERICA</b>	..	..	139	50	0.00	1 119	1 239	0.11
Argentina	8.1	10.4	0	0	..	1 105	1 218	0.05
Brazil	13.9	16.1	0	0	..	14	21	4.10
Chile	..	..	0	0	..	0	0	..
Colombia	..	..	0	0	..	0	0	..
Mexico	0.0	0.0	0	0	..	0	0	..
Paraguay	..	..	0	0	..	0	0	..
Peru	..	..	139	50	0.00	0	0	..
<b>EUROPE</b>	..	..	5 142	4 360	0.44	1 471	1 182	3.14
European Union <sup>1</sup>	9.8	12.5	3 776	3 250	0.11	1 186	969	3.54
United Kingdom	5.4	6.5	1 114	882	2.07	285	213	1.50
Russia	0.0	0.0	0	0	..	0	0	..
Ukraine	..	..	0	0	..	0	0	..
<b>AFRICA</b>	..	..	0	0	..	0	0	..
Egypt	..	..	0	0	..	0	0	..
Ethiopia	..	..	0	0	..	0	0	..
Nigeria	..	..	0	0	..	0	0	..
South Africa	..	..	0	0	..	0	0	..
<b>ASIA</b>	..	..	203	267	-0.99	3 050	3 221	-1.18
China <sup>2</sup>	0.6	0.9	200	265	-1.00	1 545	1 476	-3.39
India	..	..	1	1	0.05	28	13	0.49
Indonesia	..	..	0	0	..	144	282	3.29
Iran	..	..	0	0	..	0	0	..
Japan	0.1	0.1	1	1	-0.12	9	6	-3.16
Kazakhstan	..	..	0	0	..	0	0	..
Korea	0.0	0.0	0	0	..	24	23	0.13
Malaysia	..	..	0	0	..	379	475	1.04
Pakistan	..	..	0	0	..	0	0	..
Philippines	..	..	0	0	..	0	0	..
Saudi Arabia	..	..	0	0	..	0	0	..
Thailand	..	..	0	0	22.34	25	50	45.13
Türkiye	..	..	0	0	..	0	0	..
Viet Nam	..	..	0	0	..	0	0	..
<b>OCEANIA</b>	..	..	1	1	-0.08	16	16	0.00
Australia	0.1	0.0	1	1	-0.08	16	16	0.00
New Zealand	0.0	0.0	0	0	..	0	0	..
<b>DEVELOPED COUNTRIES</b>	..	..	<b>7 806</b>	<b>6 950</b>	<b>0.59</b>	<b>2 742</b>	<b>2 813</b>	<b>3.09</b>
<b>DEVELOPING COUNTRIES</b>	..	..	<b>341</b>	<b>316</b>	<b>-0.84</b>	<b>4 159</b>	<b>4 453</b>	<b>-0.83</b>
LEAST DEVELOPED COUNTRIES (LDC)	..	..	0	0	..	0	0	..
<b>OECD<sup>3</sup></b>	..	..	<b>7 806</b>	<b>6 950</b>	<b>0.59</b>	<b>2 766</b>	<b>2 836</b>	<b>3.06</b>
<b>BRICS</b>	..	..	<b>201</b>	<b>266</b>	<b>-1.00</b>	<b>1 587</b>	<b>1 510</b>	<b>-3.29</b>

.. Not available

Note: Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.42. Main policy assumptions for biofuel markets**

		2022est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ARGENTINA</b>												
<b>Biodiesel</b>												
Export tax	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
<b>BRAZIL</b>												
<b>Ethanol</b>												
Import tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incorporation mandate <sup>3</sup>	%	27.0	32.0	33.4	34.9	36.3	37.8	39.2	40.7	42.1	43.6	45.0
<b>Biodiesel</b>												
Tax concessions <sup>4</sup>	BRL/hl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Import tariff	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>CANADA</b>												
<b>Ethanol</b>												
Incorporation mandate <sup>3</sup>	%	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.6
<b>Biodiesel</b>												
Incorporation mandate <sup>3</sup>	%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<b>COLOMBIA</b>												
<b>Ethanol</b>												
Import tariff	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Blending target <sup>2,5</sup>	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Biodiesel</b>												
Blending target <sup>2</sup>	%	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
<b>EUROPEAN UNION</b>												
<b>Biofuel</b>												
Energy share in fuel consumption <sup>6</sup>	%	9.5	9.9	10.2	10.6	11.0	11.5	12.0	12.4	12.9	13.4	13.9
<b>Ethanol</b>												
Tax concessions <sup>4</sup>	EUR/hl	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Import tariff	EUR/hl	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	20.2
<b>Biodiesel</b>												
Tax concessions <sup>4</sup>	EUR/hl	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
Import tariff	%	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
<b>INDIA</b>												
<b>Ethanol</b>												
Import tariff	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Share of biofuel mandates in total fuel consumption	%	8.0	10.0	10.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
<b>Biodiesel</b>												
Import tariff	%	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Share of biofuel mandates in total fuel consumption	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
<b>INDONESIA</b>												
<b>Biodiesel</b>												
Blending target <sup>2</sup>	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
<b>MALAYSIA</b>												
<b>Biodiesel</b>												
Blending target <sup>2</sup>	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
<b>THAILAND</b>												
<b>Ethanol</b>												
Blending target <sup>2</sup>	%	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
<b>Biodiesel</b>												
Blending target <sup>2</sup>	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>UNITED STATES</b>												
<b>Renewable Fuel Standard<sup>7</sup></b>												
Total	mIn L	75 423	79 452	81 832	80 973	81 438	82 444	82 940	83 448	83 967	84 497	85 094
advanced mandate	mIn L	20 221	24 358	26 794	25 990	26 510	27 571	28 122	28 685	29 258	29 843	30 440
cellulosic ethanol	mIn L	2 012	2 172	2 172	2 172	2 172	2 172	2 172	2 172	2 172	2 172	2 172
<b>Ethanol</b>												
Import surcharge	USD/hl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Import tariff (undenatured)	%	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
Import tariff (denatured)	%	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Blender tax credit	USD/hl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Biodiesel</b>												
Import tariff	%	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
Blender tax credit	USD/hl	26.40	26.40	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Note: 2022est: Data for 2022 are estimated. For many countries, shares for ethanol and biodiesel are not individually specified in the legislation. Figures are based on a combination of the EU mandate in the context of the Renewable Energy Directive and the National Renewable Energy Action Plans (NREAP) in the EU member states.

1. Refers to all current European Union member States.
2. Expressed in volume share.
3. Share in respective fuel type, in volume.
4. Difference between tax rates applying to fossil and biogen fuels.
5. Applies to cities with more than 500 000 inhabitants.
6. According to the current Renewable energy Directive 2009/28/EC, the energy content of biofuel other than first-generation biofuels counts twice towards meeting the target. It is assumed that other sources than biofuel will help filling the 10% transport energy target.
7. The total, advanced and cellulosic mandates are not at the levels defined in EISA. Details can be found in the policy assumptions section of the biofuel chapter.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

## ANNEX C

**Table C.43.1. Cotton projections: Production and trade**

Marketing year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		IMPORTS (kt)		Growth (%) <sup>4</sup>		EXPORTS (kt)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>25 100</b>	<b>28 154</b>	<b>0.14</b>	<b>1.83</b>	<b>9 895</b>	<b>11 422</b>	<b>2.14</b>	<b>2.34</b>	<b>9 664</b>	<b>11 191</b>	<b>1.79</b>	<b>2.39</b>
<b>NORTH AMERICA</b>	3 307	4 190	1.15	2.59	1	1	0.32	0.77	2 959	3 645	3.07	2.92
Canada	0	0	..	..	0	0	..	..	0	0	..	..
United States	3 307	4 190	1.15	2.59	1	1	17.92	1.01	2 959	3 645	3.07	2.92
<b>LATIN AMERICA</b>	3 036	4 317	6.07	3.35	327	360	-3.81	0.40	2 290	3 291	16.42	3.91
Argentina	348	365	5.03	0.73	0	0	-70.99	..	151	187	15.60	0.73
Brazil	2 405	3 611	7.04	3.93	3	3	-24.35	0.04	2 027	2 975	16.55	4.27
Chile	0	0	..	..	0	0	..	..	0	0	..	..
Colombia	17	16	-2.70	0.00	13	11	-11.32	0.00	0	0	-71.94	..
Mexico	232	292	2.11	0.92	190	205	-3.16	0.02	106	123	18.56	1.46
Paraguay	4	4	-3.79	1.81	2	2	13.08	-0.69	5	5	4.80	0.69
Peru	19	18	-4.47	1.06	43	42	-3.01	-0.97	1	0	-8.34	..
<b>EUROPE</b>	283	295	-1.18	0.25	289	310	-5.02	0.25	401	421	-2.25	-0.06
European Union <sup>1</sup>	282	294	-1.19	0.25	251	270	-4.02	0.24	399	419	-2.25	-0.06
United Kingdom	0	0	..	..	0	0	..	..	0	0	..	..
Russia	0	0	..	..	27	27	-11.23	0.00	1	1	-4.64	0.00
Ukraine	0	0	..	..	1	1	-10.12	2.12	0	0	..	..
<b>AFRICA</b>	1 930	1 937	4.03	1.36	130	160	-2.97	1.66	1 644	1 645	3.86	1.59
Egypt	66	76	-0.99	1.01	92	115	1.24	2.72	68	42	13.25	-2.65
Ethiopia	62	78	3.78	3.75	0	2	17.53	48.14	2	0	-29.60	..
Nigeria	92	93	6.34	0.00	1	1	0.00	0.00	55	65	3.86	0.00
South Africa	14	13	4.05	1.10	13	13	-5.15	-2.01	16	9	12.14	2.05
<b>ASIA</b>	15 589	16 591	-1.47	1.47	9 146	10 590	2.82	2.49	1 566	1 368	-8.27	1.64
China <sup>2</sup>	5 890	6 114	-0.70	0.58	2 163	2 006	1.49	1.30	19	27	6.67	-0.27
India	6 224	6 977	-1.20	2.49	259	91	1.83	-4.51	878	957	-8.48	4.73
Indonesia	3	2	-9.19	1.37	538	767	-2.90	2.96	1	1	-19.81	-2.87
Iran	80	85	3.88	0.90	86	103	5.59	1.50	0	0	..	..
Japan	0	0	..	..	38	37	-7.04	-0.33	0	0	..	..
Kazakhstan	80	74	4.05	1.35	0	0	..	..	62	56	4.75	2.52
Korea	0	0	..	..	133	151	-9.40	0.74	1	1	-20.98	0.00
Malaysia	0	0	..	..	140	169	8.49	1.40	55	47	10.60	-1.38
Pakistan	1 025	1 042	-8.56	1.59	1 081	1 598	19.88	3.19	11	10	-23.24	-0.56
Philippines	0	0	..	..	7	11	-4.01	3.06	0	0	..	..
Saudi Arabia	0	0	..	..	0	0	..	..	0	0	..	..
Thailand	2	1	3.12	1.07	140	197	-9.85	1.82	0	0	..	..
Türkiye	819	940	3.16	1.66	1 395	1 324	5.13	1.69	160	146	17.06	-1.67
Viet Nam	2	2	-0.05	1.29	1 519	2 016	8.13	3.54	0	0	..	..
<b>OCEANIA</b>	956	825	1.73	0.05	1	1	-0.05	0.00	805	821	-0.63	-0.58
Australia	955	824	1.73	0.05	0	0	..	..	804	820	-0.63	-0.58
New Zealand	1	1	0.00	0.00	1	1	0.00	0.00	1	1	0.00	0.00
<b>DEVELOPED COUNTRIES</b>	<b>5 865</b>	<b>6 518</b>	<b>0.69</b>	<b>1.72</b>	<b>346</b>	<b>367</b>	<b>-5.19</b>	<b>0.12</b>	<b>4 580</b>	<b>5 046</b>	<b>-0.29</b>	<b>1.63</b>
<b>DEVELOPING COUNTRIES</b>	<b>19 235</b>	<b>21 636</b>	<b>-0.01</b>	<b>1.87</b>	<b>9 549</b>	<b>11 055</b>	<b>2.50</b>	<b>2.42</b>	<b>5 084</b>	<b>6 145</b>	<b>4.14</b>	<b>3.07</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	1 486	1 493	3.55	1.30	1 560	2 024	3.04	3.54	1 144	1 185	3.99	1.68
<b>OECD<sup>3</sup></b>	<b>5 621</b>	<b>6 563</b>	<b>1.54</b>	<b>1.90</b>	<b>2 024</b>	<b>2 001</b>	<b>0.58</b>	<b>1.18</b>	<b>4 438</b>	<b>5 162</b>	<b>2.51</b>	<b>1.82</b>
<b>BRICS</b>	<b>14 533</b>	<b>16 716</b>	<b>0.17</b>	<b>2.02</b>	<b>2 464</b>	<b>2 139</b>	<b>0.57</b>	<b>0.93</b>	<b>2 942</b>	<b>3 968</b>	<b>3.86</b>	<b>4.33</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)



Table C.43.2. Cotton projections: Consumption

Marketing year

	CONSUMPTION (kt) <sup>4</sup>		Growth (%) <sup>5</sup>	
	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>24 396</b>	<b>28 078</b>	<b>0.09</b>	<b>1.80</b>
<b>NORTH AMERICA</b>	<b>517</b>	<b>521</b>	<b>-6.11</b>	<b>0.90</b>
Canada	0	0	..	..
United States	517	521	-6.11	0.90
<b>LATIN AMERICA</b>	<b>1 294</b>	<b>1 327</b>	<b>-2.25</b>	<b>0.41</b>
Argentina	110	112	-2.16	0.18
Brazil	685	647	-1.65	0.32
Chile	0	0	..	..
Colombia	27	27	-8.51	0.00
Mexico	321	373	-2.94	0.23
Paraguay	1	1	-11.36	2.60
Peru	65	60	-3.01	0.02
<b>EUROPE</b>	<b>159</b>	<b>184</b>	<b>-6.30</b>	<b>1.35</b>
European Union <sup>1</sup>	129	145	-4.23	0.93
United Kingdom	0	0	..	..
Russia	18	25	-14.80	4.03
Ukraine	1	1	-10.25	2.35
<b>AFRICA</b>	<b>339</b>	<b>416</b>	<b>-1.06</b>	<b>2.60</b>
Egypt	113	149	-1.65	3.88
Ethiopia	56	78	2.45	3.88
Nigeria	30	30	5.29	0.00
South Africa	19	18	-2.15	0.22
<b>ASIA</b>	<b>22 084</b>	<b>25 628</b>	<b>0.52</b>	<b>1.89</b>
China <sup>2</sup>	7 616	7 993	0.01	0.69
India	5 336	6 102	0.21	2.01
Indonesia	519	762	-3.56	3.18
Iran	153	186	3.47	1.79
Japan	39	37	-7.25	-0.28
Kazakhstan	16	17	1.21	1.88
Korea	133	151	-9.47	0.78
Malaysia	84	121	9.52	2.85
Pakistan	2 171	2 609	-1.26	2.73
Philippines	7	10	-3.35	3.66
Saudi Arabia	0	0	..	..
Thailand	157	199	-8.78	1.89
Türkiye	1 614	2 103	1.61	1.88
Viet Nam	1 533	2 009	8.76	3.64
<b>OCEANIA</b>	<b>3</b>	<b>3</b>	<b>-14.02</b>	<b>0.01</b>
Australia	2	2	-17.91	0.02
New Zealand	1	1	0.00	0.00
<b>DEVELOPED COUNTRIES</b>	<b>1 603</b>	<b>1 795</b>	<b>-0.59</b>	<b>1.70</b>
<b>DEVELOPING COUNTRIES</b>	<b>22 793</b>	<b>26 283</b>	<b>0.14</b>	<b>1.81</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>1 837</b>	<b>2 303</b>	<b>2.63</b>	<b>3.30</b>
<b>OECD<sup>3</sup></b>	<b>2 784</b>	<b>3 359</b>	<b>-2.00</b>	<b>1.40</b>
<b>BRICS</b>	<b>13 674</b>	<b>14 786</b>	<b>-0.06</b>	<b>1.20</b>

.. Not available

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Consumption for cotton means mill consumption and not final consumer demand.
5. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

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**Table C.44. Main policy assumptions for cotton markets**

Marketing year

		Average 2020-22est	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>ARGENTINA</b>												
Export tax equivalent of export barriers	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tariff equivalent of import barriers	%	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
<b>BRAZIL</b>												
Producer Minimum Price, lint cotton	BRL/t	7 168.3	11 079.0	11 079.0	11 079.0	11 079.0	11 079.0	11 079.0	11 079.0	11 079.0	11 079.0	11 079.0
Tariff equivalent of import barriers	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
<b>RUSSIA</b>												
Tariff equivalent of import barriers	%	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>UNITED STATES</b>												
Economic Adjustment Assistance payment level	USD/t	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
TRQ	kt	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
In-quota tariff	USD/t	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Out-of-quota tariff	USD/t	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
<b>CHINA</b>												
TRQ	kt	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0
In-quota tariff	%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Out-of-quota tariff	%	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Note: Marketing year: See Glossary of Terms for definitions. Average 2020-22est: Data for 2022 are estimated.

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.45. Roots and tubers projections: Production and food consumption

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		FOOD CONSUMPTION (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>251 088</b>	<b>295 913</b>	<b>2.23</b>	<b>1.68</b>	<b>15.7</b>	<b>17.2</b>	<b>0.63</b>	<b>1.02</b>
<b>NORTH AMERICA</b>	5 706	5 968	1.23	0.33	12.6	12.5	0.92	-0.22
Canada	971	1 016	0.44	0.40	17.1	16.7	1.89	-0.50
United States	4 735	4 952	1.40	0.31	12.1	12.0	0.76	-0.19
<b>LATIN AMERICA</b>	14 084	15 040	0.02	0.84	11.6	12.1	-0.17	0.49
Argentina	638	709	1.62	0.93	9.2	9.0	0.28	-0.28
Brazil	5 703	5 249	-2.99	-0.51	11.0	10.6	-3.38	-0.18
Chile	298	320	3.00	0.68	12.8	14.2	2.03	0.77
Colombia	1 448	1 737	2.42	2.20	20.9	23.4	1.22	1.25
Mexico	406	447	0.40	0.92	3.4	3.5	-0.12	0.31
Paraguay	1 080	1 347	3.00	1.98	38.6	39.8	0.05	0.03
Peru	1 799	2 013	3.00	1.59	32.9	33.9	2.32	0.50
<b>EUROPE</b>	28 028	29 493	1.54	0.41	14.6	14.8	-1.26	0.12
European Union <sup>1</sup>	11 990	12 298	0.57	-0.01	8.7	8.0	-4.88	-0.86
United Kingdom	1 184	1 297	0.50	0.86	22.0	22.9	1.37	0.34
Russia	7 653	8 261	3.00	0.48	25.4	27.2	1.68	0.50
Ukraine	5 641	6 109	3.00	1.10	27.9	32.7	1.47	2.21
<b>AFRICA</b>	100 232	127 761	2.81	2.65	39.3	41.1	0.44	0.87
Egypt	1 241	1 615	3.00	2.33	6.7	7.5	0.99	0.91
Ethiopia	2 638	3 408	3.00	2.89	17.8	18.2	-0.21	0.81
Nigeria	34 528	45 225	3.00	3.04	67.9	76.7	0.60	2.28
South Africa	513	503	1.59	0.44	4.9	4.7	-0.48	-0.23
<b>ASIA</b>	101 947	116 443	2.28	1.22	9.8	10.1	0.41	0.35
China <sup>2</sup>	44 981	47 098	1.69	0.29	15.4	15.4	0.03	0.00
India	14 615	17 318	3.00	2.11	6.4	6.9	0.95	1.38
Indonesia	10 154	11 835	2.84	1.23	16.9	18.3	1.98	0.33
Iran	995	1 102	1.00	0.88	9.0	9.2	-0.47	0.11
Japan	706	683	-1.81	-0.14	6.2	6.2	-0.72	0.06
Kazakhstan	847	1 092	3.00	2.28	20.4	23.0	1.09	0.97
Korea	281	294	2.49	0.20	5.5	6.3	2.79	0.85
Malaysia	42	38	3.00	0.31	3.1	3.5	1.78	1.16
Pakistan	1 121	1 302	3.00	2.15	3.0	3.1	0.75	1.02
Philippines	1 134	1 445	2.91	2.12	8.4	9.6	1.52	1.00
Saudi Arabia	77	90	-0.66	2.26	4.0	4.4	1.11	0.69
Thailand	11 626	14 849	3.00	2.13	4.9	5.7	1.17	1.37
Türkiye	740	748	-0.81	0.80	5.5	5.1	-2.53	-0.38
Viet Nam	4 367	5 465	3.33	1.99	3.2	3.5	0.45	0.62
<b>OCEANIA</b>	1 091	1 208	0.56	1.38	20.0	19.4	-1.28	0.12
Australia	243	264	-1.10	1.00	9.6	8.9	-2.10	-0.60
New Zealand	145	151	2.73	0.50	11.1	10.8	-1.15	0.01
<b>DEVELOPED COUNTRIES</b>	<b>37 891</b>	<b>40 175</b>	<b>1.44</b>	<b>0.49</b>	<b>12.6</b>	<b>12.7</b>	<b>-0.66</b>	<b>0.00</b>
<b>DEVELOPING COUNTRIES</b>	<b>213 197</b>	<b>255 738</b>	<b>2.38</b>	<b>1.88</b>	<b>16.4</b>	<b>18.1</b>	<b>0.85</b>	<b>1.14</b>
LEAST DEVELOPED COUNTRIES (LDC)	51 025	65 896	2.82	2.58	32.9	34.9	0.80	0.53
<b>OECD<sup>3</sup></b>	<b>23 411</b>	<b>24 484</b>	<b>0.73</b>	<b>0.33</b>	<b>9.9</b>	<b>9.8</b>	<b>-1.23</b>	<b>-0.10</b>
<b>BRICS</b>	<b>73 465</b>	<b>78 430</b>	<b>1.63</b>	<b>0.63</b>	<b>11.5</b>	<b>11.5</b>	<b>-0.01</b>	<b>0.18</b>

Note: Calendar year. Average 2020-22est: Data for 2022 are estimated. Production and consumption are expressed on dry weight basis.

- Refers to all current European Union member States.
- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland and Costa Rica but includes all EU member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

**Table C.46. Pulses projections : Production and food consumption**

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		FOOD CONSUMPTION (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>91 540</b>	<b>120 551</b>	<b>1.71</b>	<b>2.34</b>	<b>6.9</b>	<b>8.6</b>	<b>-0.34</b>	<b>1.88</b>
<b>NORTH AMERICA</b>	10 432	14 519	0.95	2.13	3.4	4.3	-4.38	2.09
Canada	7 819	11 053	1.24	2.00	10.3	11.7	3.44	1.00
United States	2 613	3 466	0.13	2.58	2.7	3.4	-6.65	2.47
<b>LATIN AMERICA</b>	7 212	7 944	-0.25	1.18	9.5	9.7	-1.45	0.33
Argentina	904	1 093	7.43	1.61	3.7	4.2	4.94	1.10
Brazil	2 853	3 010	-1.65	0.72	12.1	12.5	-3.08	0.51
Chile	70	59	5.78	-0.74	3.3	3.6	1.35	0.45
Colombia	228	268	0.69	2.48	6.9	7.1	4.85	-0.01
Mexico	1 320	1 577	-2.25	1.80	9.4	9.4	-2.71	0.00
Paraguay	93	107	2.61	1.78	9.9	10.2	1.61	0.77
Peru	273	297	0.44	1.38	8.0	8.4	0.21	0.36
<b>EUROPE</b>	10 209	13 452	4.06	2.53	3.4	4.7	2.40	3.13
European Union <sup>1</sup>	4 344	6 461	4.00	3.89	3.8	5.7	2.67	3.97
United Kingdom	995	1 145	5.11	1.10	3.3	3.4	0.63	0.10
Russia	3 549	4 432	4.98	1.74	2.5	2.9	2.53	1.29
Ukraine	773	798	5.98	0.49	1.8	2.3	2.58	1.99
<b>AFRICA</b>	22 144	28 589	1.70	2.62	10.5	11.4	-1.66	0.77
Egypt	281	268	0.23	0.22	2.8	2.8	-8.12	0.49
Ethiopia	2 960	3 291	-0.40	1.89	20.0	21.1	-2.38	0.89
Nigeria	3 870	4 764	1.03	2.21	10.5	10.1	-0.86	0.02
South Africa	88	111	0.22	2.32	0.9	0.9	-8.70	-0.28
<b>ASIA</b>	39 001	53 142	2.03	2.43	6.3	8.4	0.20	2.29
China <sup>2</sup>	5 333	5 918	2.68	0.75	1.6	1.8	3.14	0.74
India	22 837	33 884	2.90	3.03	13.6	19.1	-0.53	2.61
Indonesia	155	155	-7.17	0.24	0.6	0.6	-7.05	0.84
Iran	408	366	-6.67	-0.68	4.5	4.3	-3.89	-0.09
Japan	122	122	-0.49	0.23	1.4	1.6	-1.78	1.08
Kazakhstan	643	924	28.18	3.80	9.2	9.3	28.67	-0.05
Korea	15	23	-3.95	4.92	1.2	1.3	-0.97	0.16
Malaysia	0	0	..	..	2.2	2.2	-2.56	0.10
Pakistan	775	837	-0.53	0.43	4.7	5.2	0.49	0.94
Philippines	57	59	-2.70	0.81	1.0	1.1	-2.45	1.09
Saudi Arabia	18	18	2.96	1.01	4.9	4.8	-0.48	-0.08
Thailand	209	238	-0.63	0.94	2.4	2.6	-1.35	0.44
Türkiye	1 375	1 538	2.16	1.26	11.1	11.3	-0.40	0.14
Viet Nam	339	393	0.87	1.43	3.3	4.3	4.61	2.21
<b>OCEANIA</b>	2 542	2 905	-0.55	1.42	1.6	1.7	1.38	0.30
Australia	2 508	2 869	-0.48	1.43	1.5	1.6	10.39	0.29
New Zealand	20	21	-5.01	0.75	2.5	2.7	-6.10	1.11
<b>DEVELOPED COUNTRIES</b>	<b>24 683</b>	<b>32 847</b>	<b>2.46</b>	<b>2.27</b>	<b>3.0</b>	<b>3.9</b>	<b>-0.22</b>	<b>2.47</b>
<b>DEVELOPING COUNTRIES</b>	<b>66 857</b>	<b>87 705</b>	<b>1.50</b>	<b>2.36</b>	<b>7.7</b>	<b>9.6</b>	<b>-0.45</b>	<b>1.74</b>
<b>LEAST DEVELOPED COUNTRIES (LDC)</b>	<b>17 050</b>	<b>23 504</b>	<b>1.38</b>	<b>2.88</b>	<b>10.7</b>	<b>12.5</b>	<b>-0.30</b>	<b>1.26</b>
<b>OECD<sup>3</sup></b>	<b>21 487</b>	<b>28 661</b>	<b>1.24</b>	<b>2.30</b>	<b>4.4</b>	<b>5.3</b>	<b>-0.65</b>	<b>1.82</b>
<b>BRICS</b>	<b>34 659</b>	<b>47 356</b>	<b>2.59</b>	<b>2.43</b>	<b>7.5</b>	<b>10.4</b>	<b>-0.29</b>	<b>2.60</b>

.. Not available

Note: Calendar year. Average 2020-22est: Data for 2022 are estimated. Production and consumption are expressed on dry weight basis.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.47. Egg projections : Production and food consumption

Calendar year

	PRODUCTION (kt)		Growth (%) <sup>4</sup>		FOOD CONSUMPTION (kg/cap)		Growth (%) <sup>4</sup>	
	Average 2020-22est	2032	2013-22	2023-32	Average 2020-22est	2032	2013-22	2023-32
<b>WORLD</b>	<b>92 549</b>	<b>103 016</b>	<b>3.01</b>	<b>1.12</b>	<b>10.8</b>	<b>11.3</b>	<b>1.90</b>	<b>0.33</b>
<b>NORTH AMERICA</b>	<b>6 349</b>	<b>7 223</b>	<b>1.75</b>	<b>0.93</b>	<b>15.9</b>	<b>17.1</b>	<b>1.26</b>	<b>0.45</b>
Canada	629	716	3.89	0.80	16.3	16.6	3.53	-0.07
United States	5 720	6 507	1.53	0.94	15.9	17.2	1.02	0.51
<b>LATIN AMERICA</b>	<b>10 227</b>	<b>11 268</b>	<b>3.23</b>	<b>1.00</b>	<b>14.0</b>	<b>14.9</b>	<b>2.50</b>	<b>0.36</b>
Argentina	888	954	3.04	0.65	17.7	17.9	2.23	0.08
Brazil	2 938	3 314	4.12	0.91	12.8	13.7	3.30	0.46
Chile	235	224	1.21	0.75	9.8	10.9	0.18	0.56
Colombia	1 013	1 029	5.34	1.04	15.2	17.4	4.10	0.64
Mexico	3 098	3 470	2.66	0.91	23.4	24.4	2.34	0.25
Paraguay	115	140	-1.11	1.72	15.7	17.2	-2.10	0.68
Peru	513	555	5.06	1.24	11.3	12.6	3.95	0.65
<b>EUROPE</b>	<b>11 473</b>	<b>12 146</b>	<b>0.94</b>	<b>0.46</b>	<b>14.8</b>	<b>15.8</b>	<b>0.94</b>	<b>0.56</b>
European Union <sup>1</sup>	6 365	6 685	1.01	0.37	13.7	14.4	1.04	0.41
United Kingdom	986	1 114	2.27	0.48	16.0	16.5	0.97	0.05
Russia	2 649	2 668	1.75	-0.02	18.1	18.8	1.25	0.28
Ukraine	911	1 071	-2.22	1.85	17.2	22.6	-0.22	2.92
<b>AFRICA</b>	<b>3 603</b>	<b>4 101</b>	<b>1.46</b>	<b>2.00</b>	<b>2.1</b>	<b>2.1</b>	<b>-1.26</b>	<b>-0.08</b>
Egypt	442	526	0.82	2.55	3.1	3.5	-1.99	1.48
Ethiopia	51	74	1.76	4.78	0.3	0.4	-0.55	2.68
Nigeria	645	770	-0.14	1.86	2.7	2.6	-2.72	-0.42
South Africa	601	560	3.41	0.51	7.4	7.3	2.19	-0.41
<b>ASIA</b>	<b>60 566</b>	<b>67 879</b>	<b>3.67</b>	<b>1.24</b>	<b>11.8</b>	<b>12.9</b>	<b>2.69</b>	<b>0.73</b>
China <sup>2</sup>	34 442	36 438	2.20	0.53	23.1	24.7	2.06	0.66
India	6 493	8 807	6.98	3.11	3.8	5.2	5.69	2.62
Indonesia	5 567	6 801	19.72	2.72	16.2	21.3	19.03	2.03
Iran	733	761	-1.31	0.77	8.1	7.8	-2.49	-0.06
Japan	2 655	2 568	0.80	-0.42	20.7	21.3	0.34	0.16
Kazakhstan	261	259	1.42	0.74	7.4	8.1	-1.47	0.27
Korea	790	854	2.19	0.38	12.7	13.9	0.66	0.52
Malaysia	847	969	1.45	1.38	17.7	20.4	-0.37	0.82
Pakistan	988	1 252	5.08	2.19	3.6	4.1	3.14	0.77
Philippines	679	904	5.36	2.97	5.2	6.5	3.94	2.13
Saudi Arabia	362	369	5.34	0.62	8.7	8.4	7.20	-0.41
Thailand	1 119	1 167	0.18	1.24	12.2	14.6	-0.09	1.42
Türkiye	1 274	1 300	2.78	0.47	9.5	10.1	2.17	0.12
Viet Nam	472	769	1.65	5.04	4.1	6.8	0.79	4.85
<b>OCEANIA</b>	<b>331</b>	<b>398</b>	<b>1.11</b>	<b>1.40</b>	<b>7.6</b>	<b>8.1</b>	<b>-0.35</b>	<b>0.29</b>
Australia	245	295	0.73	1.41	9.5	10.3	-0.58	0.47
New Zealand	69	85	2.43	1.36	12.8	14.4	0.94	0.67
<b>DEVELOPED COUNTRIES</b>	<b>22 564</b>	<b>24 131</b>	<b>1.36</b>	<b>0.55</b>	<b>14.6</b>	<b>15.5</b>	<b>0.86</b>	<b>0.39</b>
<b>DEVELOPING COUNTRIES</b>	<b>69 985</b>	<b>78 886</b>	<b>3.60</b>	<b>1.31</b>	<b>9.9</b>	<b>10.4</b>	<b>2.37</b>	<b>0.38</b>
LEAST DEVELOPED COUNTRIES (LDC)	2 258	2 999	4.50	3.20	2.0	2.4	1.73	1.34
<b>OECD<sup>3</sup></b>	<b>23 372</b>	<b>25 172</b>	<b>1.77</b>	<b>0.58</b>	<b>15.5</b>	<b>16.4</b>	<b>1.24</b>	<b>0.36</b>
<b>BRICS</b>	<b>47 123</b>	<b>51 787</b>	<b>2.87</b>	<b>0.92</b>	<b>13.6</b>	<b>14.5</b>	<b>2.25</b>	<b>0.60</b>

Note: Calendar year. Average 2020-22est: Data for 2022 are estimated. Production and consumption are expressed on dry weight basis.

1. Refers to all current European Union member States.
2. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
3. Excludes Iceland and Costa Rica but includes all EU member countries.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2023), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). [dx.doi.org/10.1787/agr-outl-data-en](https://dx.doi.org/10.1787/agr-outl-data-en)

Table C.48. Information on food price changes

	Total inflation % change (year-on-year)		Food inflation % change (year-on-year) <sup>2</sup>		Expenditure share of food		Food contribution to total change in inflation <sup>3</sup>	
	2022	2023	2022	2023	2022	2023	2022	2023
<b>OECD</b>								
Australia <sup>1</sup>	5.1	..	4.8	..	12.8	12.8	0.6	..
Austria	5.0	11.2	4.9	17.0	12.0	12.0	0.6	2.0
Belgium	7.6	8.0	2.4	16.4	17.4	17.4	0.4	2.9
Canada	5.1	5.9	6.5	11.4	11.5	11.5	0.7	1.3
Chile	7.7	12.3	6.0	23.9	18.9	18.9	1.1	4.5
Colombia	6.9	13.3	19.9	26.2	34.7	34.7	1.3	8.7
Czech Republic	9.9	17.5	5.4	24.8	17.0	17.0	3.4	4.5
Denmark	4.3	7.7	4.0	14.5	11.5	11.5	0.6	2.9
Estonia	11.3	18.6	9.3	27.4	21.7	21.7	0.9	3.1
Finland	4.4	8.4	3.2	15.4	13.4	13.4	1.2	3.7
France	2.9	6.0	1.7	14.2	14.7	14.7	0.5	2.3
Germany	4.2	8.7	4.9	19.2	10.4	10.4	0.2	1.5
Greece	6.2	7.0	5.2	15.4	17.1	17.1	0.8	3.3
Hungary	7.9	25.7	10.1	46.9	19.6	19.6	1.0	3.0
Iceland	5.7	9.9	3.5	10.8	14.9	14.9	1.5	7.0
Ireland	5.0	7.8	2.1	12.8	11.7	11.7	0.4	1.3
Israel	3.1	5.4	4.2	4.9	14.3	14.3	0.3	1.8
Italy	4.8	10.0	3.6	12.6	16.3	16.3	0.7	0.8
Japan	0.5	4.3	2.4	7.5	19.0	19.0	0.7	2.4
Korea	3.6	5.2	5.5	5.8	14.4	14.4	0.3	1.1
Luxembourg	3.6	4.8	2.8	11.8	11.1	11.1	0.6	0.6
Mexico	7.1	7.9	11.9	12.8	18.9	18.9	0.5	2.2
Netherlands	6.4	7.6	4.4	17.3	11.3	11.3	1.3	1.4
New Zealand <sup>1</sup>	6.9	..	7.4	..	17.4	17.4	0.8	..
Norway	3.2	7.0	-1.6	12.0	13.3	13.3	-0.2	1.6
Poland	8.7	11.7	9.3	12.7	27.0	27.0	-0.4	3.2
Portugal	3.3	8.4	3.7	20.6	18.1	18.1	1.7	2.3
Slovak Republic	8.4	15.2	8.1	27.5	18.4	18.4	0.7	3.8
Slovenia	5.8	10.0	4.6	19.3	17.0	17.0	1.4	4.7
Spain	6.1	5.9	4.8	15.4	18.2	18.2	0.8	3.5
Sweden	3.7	11.7	1.9	19.6	13.9	13.9	0.7	2.1
Switzerland	1.6	3.3	-1.5	5.6	10.8	10.8	0.2	2.1
Türkiye	48.7	57.7	55.6	71.0	25.0	25.0	-0.4	1.4
United Kingdom	4.9	8.8	4.4	16.8	11.8	11.8	6.6	8.4
United States	7.5	6.4	7.3	11.4	7.8	7.8	0.3	1.3
OECD Total	7.2	9.2	7.6	15.2	..	..	..	..
<b>Enhanced Engagement</b>								
Brazil	10.4	5.8	8.0	11.7	22.5	22.5	1.3	3.1
China	0.9	2.1	-3.8	6.2	33.6	33.6	2.7	3.9
India	2.2	5.3	5.4	5.9	35.4	35.4	2.7	5.4
Indonesia	5.8	6.2	3.5	3.5	19.6	19.6	0.7	0.7
Russia	8.7	11.8	12.7	10.2	32.8	32.8	4.2	3.3
South Africa	5.7	7.2	5.7	13.6	18.3	18.3	1.0	2.5

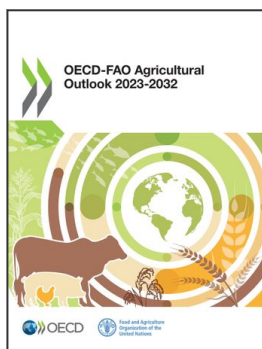
Table C.48. Information on food price changes (cont.)

	Total inflation % change (year-on-year)		Food inflation % change (year-on-year) <sup>2</sup>		Expenditure share of food		Food contribution to total change in inflation <sup>3</sup>	
	2022	2023	2022	2023	2022	2023	2022	2023
<b>Non OECD</b>								
Algeria	9.0	9.3	13.3	13.7	43.1	43.1	-1.6	2.7
Bangladesh	5.9	8.6	5.6	7.8	28.6	28.6	3.8	3.9
Bolivia	0.7	3.1	0.5	6.8	27.1	27.1	1.5	2.1
Botswana	10.6	9.3	7.0	7.1	13.6	13.6	0.1	0.9
Bulgaria	4.1	16.7	3.7	25.0	37.2	37.2	2.6	2.6
Costa Rica	3.5	7.7	3.2	18.5	21.4	21.4	0.7	4.0
Dominican Republic	8.5	6.6	9.3	11.4	29.2	29.2	2.7	3.3
Ecuador	2.6	3.6	0.5	5.6	23.0	23.0	0.1	1.3
Egypt	7.3	25.8	12.5	48.0	32.7	32.7	4.1	15.7
El Salvador	6.5	7.0	4.5	13.7	26.0	26.0	1.2	3.6
Ethiopia	34.5	33.9	39.9	36.2	57.0	57.0	22.7	20.6
Ghana	13.9	53.6	13.7	47.9	56.9	56.9	7.8	27.3
Guatemala	2.9	3.2	3.1	13.3	28.6	28.6	0.9	3.8
Haiti	24.0	24.0	25.0	25.5	48.8	48.8	12.2	12.4
Honduras	6.2	8.9	7.5	16.1	31.8	31.8	2.4	5.1
Iraq	5.3	7.1	8.4	9.6	35.0	35.0	2.9	3.4
Jordan	2.5	3.7	4.0	-0.4	35.2	35.2	1.4	-0.1
Kenya	5.4	9.0	8.9	12.8	36.0	36.0	3.2	4.6
Madagascar	5.9	11.4	7.3	14.0	60.0	60.0	4.4	8.4
Malawi	12.1	25.4	14.2	31.3	50.0	50.0	7.1	15.7
Malaysia	2.3	3.7	3.6	6.7	56.3	56.3	2.0	3.8
Moldavia	16.6	27.3	21.1	28.6	37.0	37.0	7.8	10.6
Morocco	4.3	8.9	4.2	17.4	40.4	40.4	1.7	7.0
New Caledonia	2.3	4.3	3.3	9.4	21.0	21.0	3.3	4.3
Nicaragua	7.7	10.9	10.3	15.7	26.1	26.1	2.7	4.1
Niger	5.3	2.0	11.1	1.3	47.0	47.0	5.2	0.6
Nigeria	15.6	21.8	17.1	24.3	51.8	51.8	8.9	12.6
Pakistan	13.0	27.6	12.5	42.9	37.5	37.5	4.7	16.1
Panama	3.0	2.1	2.2	5.2	33.6	33.6	0.7	1.7
Paraguay	7.9	7.8	5.8	7.7	39.1	39.1	2.3	3.0
Peru	5.7	8.9	8.0	15.9	25.0	25.0	2.0	4.0
Philippines	3.0	8.6	6.4	12.1	39.0	39.0	2.5	4.7
Romania	8.4	15.1	7.2	22.5	37.4	37.4	2.7	8.4
Rwanda	1.3	31.1	1.0	57.3	39.0	39.0	0.4	22.3
Senegal	5.5	10.5	9.1	13.7	53.4	53.4	4.9	7.3
Singapore	2.6	6.6	4.0	8.1	21.7	21.7	0.9	1.8
Sri Lanka	14.2	53.2	25.0	53.6	41.0	41.0	10.3	22.0
Chinese Taipei	2.8	2.7	3.8	4.8	27.0	27.0	1.0	1.3
Tanzania	4.0	4.9	6.3	5.9	28.2	28.2	1.8	1.7
Thailand	3.2	5.0	2.4	7.7	40.0	40.0	1.0	3.1
Tunisia	6.7	10.4	7.6	15.6	28.7	28.7	2.2	4.5
Uganda	2.7	10.4	5.3	22.7	27.2	27.2	1.4	6.2
Zambia	15.1	9.4	16.0	11.6	52.5	52.5	8.4	6.1

.. Not available

1. No data available for January 2023 in Australia and New Zealand.
2. CPI food: definition based on national sources.
3. Contribution is food inflation multiplied by expenditure share, expressed in %.

Source: OECD and national sources.



**From:**  
**OECD-FAO Agricultural Outlook 2023-2032**

**Access the complete publication at:**  
<https://doi.org/10.1787/08801ab7-en>

**Please cite this chapter as:**

OECD/Food and Agriculture Organization of the United Nations (2023), "Statistical Annex", in *OECD-FAO Agricultural Outlook 2023-2032*, OECD Publishing, Paris.

DOI: <https://doi.org/10.1787/bd5ce688-en>

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