

Statistical Annex

Part I. ANNEX A

ANNEX A

Table A.1. World cereal projections

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
WHEAT												
World												
Production	Mt	750.5	754.7	763.7	774.8	783.9	793.3	802.1	810.0	817.1	824.7	832.6
Area	Mha	220.6	220.6	220.9	222.0	222.4	223.1	223.7	223.9	223.9	223.9	224.0
Yield	t/ha	3.40	3.42	3.46	3.49	3.52	3.56	3.59	3.62	3.65	3.68	3.72
Consumption	Mt	726.6	758.4	761.2	767.9	775.2	783.3	791.8	800.3	808.3	816.0	823.8
Feed use	Mt	139.5	146.3	147.6	149.6	152.2	154.6	157.3	159.8	162.3	164.6	166.9
Food use	Mt	496.4	506.1	510.8	515.2	519.9	524.7	529.3	534.1	538.7	543.1	547.4
Biofuel use	Mt	12.4	12.5	12.5	12.4	12.4	12.4	12.5	12.6	12.7	12.8	12.8
Other use	Mt	78.3	93.6	90.2	90.7	90.7	91.6	92.8	93.8	94.7	95.5	96.7
Exports	Mt	175.1	178.6	181.8	183.4	185.5	188.1	190.3	192.4	194.4	196.5	198.7
Closing stocks	Mt	247.6	254.8	251.9	253.3	256.5	260.9	265.7	269.9	273.2	276.4	279.7
Price ¹	USD/t	206.6	209.1	213.8	219.1	222.2	223.2	223.6	223.3	224.7	226.8	229.1
Developed countries												
Production	Mt	401.2	397.8	402.7	408.5	412.9	417.7	421.9	425.5	428.6	432.0	435.6
Consumption	Mt	272.9	271.6	274.3	275.3	276.8	278.7	280.9	282.9	284.6	286.2	288.0
Net trade	Mt	125.4	129.7	132.4	133.6	135.4	137.8	139.9	142.1	143.8	145.6	147.5
Closing stocks	Mt	81.4	78.5	74.5	74.2	74.9	76.0	77.0	77.5	77.8	78.1	78.3
Developing countries												
Production	Mt	349.3	356.9	361.0	366.3	371.0	375.6	380.2	384.5	388.5	392.6	397.0
Consumption	Mt	453.7	486.8	486.9	492.6	498.4	504.6	510.9	517.3	523.7	529.8	535.8
Net trade	Mt	-118.6	-124.2	-126.9	-128.1	-129.9	-132.4	-134.4	-136.6	-138.3	-140.1	-142.0
Closing stocks	Mt	166.3	176.3	177.4	179.1	181.6	185.0	188.6	192.4	195.4	198.4	201.5
OECD²												
Production	Mt	292.9	287.0	290.8	295.3	298.1	300.9	303.3	305.3	307.1	309.2	311.3
Consumption	Mt	223.8	222.1	224.6	225.2	226.3	227.8	229.5	231.1	232.3	233.5	234.9
Net trade	Mt	67.6	66.0	68.4	70.3	71.2	72.3	73.0	73.9	74.6	75.4	76.2
Closing stocks	Mt	61.8	57.7	55.6	55.4	56.0	56.8	57.5	57.8	58.0	58.3	58.5
MAIZE												
World												
Production	Mt	1 040.8	1 073.9	1 082.8	1 096.7	1 111.4	1 131.2	1 144.9	1 161.8	1 173.6	1 186.3	1 201.7
Area	Mha	181.2	185.4	185.5	185.9	186.6	187.8	188.5	189.3	189.7	189.9	190.4
Yield	t/ha	5.74	5.79	5.84	5.90	5.96	6.02	6.07	6.14	6.19	6.25	6.31
Consumption	Mt	1 037.0	1 080.4	1 090.2	1 101.3	1 113.2	1 129.5	1 142.4	1 155.7	1 170.8	1 185.0	1 200.7
Feed use	Mt	578.8	606.3	619.1	624.1	631.3	644.1	653.7	664.8	676.1	686.5	698.5
Food use	Mt	132.1	138.3	140.9	143.3	145.7	148.3	150.9	153.5	156.2	158.8	161.6
Biofuel use	Mt	173.9	178.8	178.7	180.6	179.6	179.4	178.7	178.3	178.2	178.1	177.9
Other use	Mt	104.9	108.7	102.7	103.9	106.7	107.7	108.7	108.3	109.3	110.2	111.0
Exports	Mt	138.7	138.5	140.1	142.6	144.8	146.4	148.3	150.5	152.5	155.0	157.2
Closing stocks	Mt	251.1	248.8	241.0	236.0	233.9	235.2	237.3	243.0	245.4	246.4	247.0
Price ³	USD/t	155.9	158.7	163.2	167.4	172.6	174.6	174.0	172.4	172.2	172.4	173.0
Developed countries												
Production	Mt	504.0	515.2	514.8	519.5	522.7	530.5	532.9	539.2	541.7	544.6	549.9
Consumption	Mt	451.9	463.1	468.6	469.0	470.3	475.7	477.0	479.8	482.9	485.3	489.4
Net trade	Mt	48.4	48.1	50.3	52.2	52.8	53.4	54.9	57.1	58.7	60.1	60.7
Closing stocks	Mt	91.4	100.3	96.1	94.5	94.0	95.3	96.3	98.6	98.7	97.9	97.7
Developing countries												
Production	Mt	536.8	558.7	568.0	577.1	588.7	600.7	612.0	622.5	631.9	641.7	651.8
Consumption	Mt	585.1	617.3	621.6	632.3	642.9	653.8	665.4	675.9	687.9	699.7	711.3
Net trade	Mt	-47.3	-47.7	-49.9	-51.9	-52.5	-53.1	-54.6	-56.7	-58.4	-59.7	-60.4
Closing stocks	Mt	159.7	148.5	144.8	141.5	139.8	139.8	141.0	144.4	146.7	148.4	149.3
OECD²												
Production	Mt	475.2	482.2	481.9	486.5	489.6	496.6	498.1	503.6	505.3	507.7	512.5
Consumption	Mt	471.5	486.2	491.7	492.1	493.4	498.8	500.1	503.0	506.2	508.7	512.9
Net trade	Mt	-1.1	-7.6	-5.3	-3.6	-3.1	-3.4	-2.6	-1.5	-0.8	-0.2	-0.1
Closing stocks	Mt	85.9	95.4	90.9	88.9	88.2	89.3	89.9	91.9	91.9	91.0	90.8

ANNEX A

Table A.1. World cereal projections (cont.)

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
OTHER COARSE GRAINS												
World												
Production	Mt	297.4	297.1	298.4	301.3	305.3	309.3	312.9	316.2	319.5	323.2	326.9
Area	Mha	157.8	158.3	158.2	158.4	159.1	159.6	160.0	160.4	160.7	161.1	161.5
Yield	t/ha	1.89	1.88	1.89	1.90	1.92	1.94	1.95	1.97	1.99	2.01	2.02
Consumption	Mt	294.3	295.0	297.4	300.4	304.3	308.1	311.6	314.9	318.5	322.2	325.9
Feed use	Mt	164.9	167.7	168.1	169.8	171.7	173.4	175.1	176.7	178.5	180.5	182.4
Food use	Mt	77.0	78.9	80.2	81.4	82.9	84.3	85.7	87.2	88.6	90.1	91.6
Biofuel use	Mt	9.4	9.6	9.5	9.6	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Other use	Mt	43.2	38.8	39.6	39.5	40.2	40.9	41.3	41.6	41.8	42.1	42.4
Exports	Mt	45.8	41.5	42.1	43.2	44.2	45.1	46.0	46.8	47.6	48.4	49.1
Closing stocks	Mt	63.8	63.6	64.1	64.6	65.1	65.8	66.7	67.5	68.0	68.6	69.1
Price ⁴	USD/t	167.1	163.9	169.8	173.1	176.0	179.3	181.0	182.3	184.4	186.7	189.4
Developed countries												
Production	Mt	186.0	183.2	182.5	182.8	184.1	185.2	186.4	187.3	188.1	189.1	190.1
Consumption	Mt	152.7	151.8	151.3	151.5	152.3	153.1	153.5	153.8	154.2	154.7	155.3
Net trade	Mt	33.2	30.2	30.5	31.1	31.5	31.8	32.4	33.0	33.6	34.1	34.6
Closing stocks	Mt	38.5	39.6	40.3	40.6	40.9	41.2	41.7	42.2	42.4	42.6	42.9
Developing countries												
Production	Mt	111.4	113.9	115.8	118.5	121.3	124.1	126.5	128.9	131.4	134.1	136.8
Consumption	Mt	141.6	143.2	146.1	148.9	152.0	155.0	158.1	161.1	164.3	167.5	170.6
Net trade	Mt	-28.9	-29.8	-30.1	-30.7	-31.0	-31.3	-31.9	-32.6	-33.2	-33.7	-34.2
Closing stocks	Mt	25.3	24.0	23.8	24.0	24.3	24.6	25.0	25.3	25.6	25.9	26.2
OECD²												
Production	Mt	151.2	151.7	151.3	151.6	152.8	153.7	154.8	155.5	156.3	157.3	158.2
Consumption	Mt	130.3	130.9	131.7	132.0	132.8	133.7	134.2	134.5	135.0	135.6	136.2
Net trade	Mt	22.4	19.0	18.9	19.4	19.8	20.0	20.4	20.8	21.3	21.7	22.0
Closing stocks	Mt	28.6	28.1	28.8	29.0	29.2	29.2	29.4	29.6	29.6	29.6	29.7
RICE												
World												
Production	Mt	498.3	509.7	516.4	522.2	526.8	532.3	538.1	544.3	550.5	556.5	562.3
Area	Mha	162.1	163.4	163.8	163.9	163.6	163.4	163.3	163.3	163.4	163.4	163.3
Yield	t/ha	3.07	3.12	3.15	3.19	3.22	3.26	3.30	3.33	3.37	3.41	3.44
Consumption	Mt	497.8	511.6	517.9	524.0	529.3	534.9	540.3	546.0	552.0	558.0	564.0
Feed use	Mt	19.8	20.5	20.7	21.0	21.3	21.5	21.6	21.7	21.9	22.1	22.3
Food use	Mt	403.4	415.0	420.0	425.4	430.3	435.3	439.9	444.7	449.8	454.9	459.5
Exports	Mt	45.2	44.7	45.6	46.6	47.6	48.7	49.7	50.9	52.0	53.2	54.4
Closing stocks	Mt	168.1	169.5	170.1	170.4	169.8	169.3	169.2	169.5	170.1	170.6	171.0
Price ⁵	USD/t	404.7	412.3	410.6	409.9	414.1	419.6	423.9	425.8	427.2	428.5	431.0
Developed countries												
Production	Mt	17.9	18.6	18.5	18.5	18.6	18.8	18.9	19.1	19.2	19.3	19.4
Consumption	Mt	19.1	19.3	19.4	19.4	19.5	19.5	19.5	19.6	19.6	19.6	19.7
Net trade	Mt	-0.9	-0.7	-0.6	-0.7	-0.7	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5
Closing stocks	Mt	5.5	4.9	4.6	4.4	4.3	4.2	4.1	4.2	4.3	4.5	4.7
Developing countries												
Production	Mt	480.5	491.2	498.0	503.7	508.2	513.5	519.2	525.2	531.3	537.1	542.9
Consumption	Mt	478.7	492.3	498.6	504.6	509.9	515.4	520.8	526.4	532.4	538.4	544.3
Net trade	Mt	1.2	-1.3	-1.5	-1.4	-1.4	-1.4	-1.5	-1.5	-1.5	-1.6	-1.6
Closing stocks	Mt	162.6	164.6	165.4	165.9	165.6	165.2	165.0	165.3	165.7	166.1	166.3
OECD²												
Production	Mt	21.1	21.7	21.5	21.5	21.6	21.7	21.7	21.8	21.9	21.9	21.9
Consumption	Mt	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.6	22.6
Net trade	Mt	-1.0	-1.0	-0.9	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9
Closing stocks	Mt	6.1	5.3	5.0	4.8	4.6	4.6	4.5	4.6	4.7	4.9	5.2

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. No.2 hard red winter wheat, ordinary protein, United States FOB Gulf Ports (June/May).
2. Excludes Iceland but includes all EU28 member countries.
3. No.2 yellow corn, United States FOB Gulf Ports (September/August).
4. Feed barley, Europe, FOB Rouen (July/June).
5. Milled 100%, grade b, nominal price quote, FOB Bangkok (January/December).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.2. World oilseed projections

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
SOYBEAN												
World												
Production	Mt	337.1	355.8	361.9	368.5	374.9	380.9	385.8	390.9	396.3	401.5	406.8
Area	Mha	122.8	128.7	129.7	130.9	131.8	132.9	133.6	134.3	135.1	135.9	136.7
Yield	t/ha	2.74	2.77	2.79	2.82	2.84	2.87	2.89	2.91	2.93	2.95	2.98
Consumption	Mt	332.8	356.3	362.6	368.6	374.7	380.5	385.5	390.7	395.9	401.2	406.4
Crush	Mt	297.5	320.0	326.2	331.9	337.7	343.2	347.9	352.9	357.8	362.8	367.8
Closing stocks	Mt	38.6	41.9	41.1	41.0	41.2	41.6	41.9	42.1	42.4	42.6	43.0
Price ¹	USD/t	399.7	393.7	409.1	416.6	421.1	425.7	430.8	436.4	441.4	447.3	452.5
Developed countries												
Production	Mt	133.3	139.2	140.5	142.6	145.0	146.7	148.5	150.3	152.2	154.0	155.9
Consumption	Mt	88.7	91.7	92.2	93.3	94.2	95.2	96.4	97.3	98.5	99.9	101.2
Crush	Mt	79.6	82.6	83.2	84.3	85.2	86.2	87.3	88.2	89.5	90.8	92.1
Closing stocks	Mt	12.4	15.4	14.6	14.4	14.3	14.3	14.3	14.2	14.2	14.2	14.2
Developing countries												
Production	Mt	203.9	216.6	221.4	225.9	229.9	234.2	237.3	240.6	244.0	247.4	250.8
Consumption	Mt	244.1	264.6	270.5	275.3	280.5	285.2	289.2	293.5	297.4	301.3	305.2
Crush	Mt	217.9	237.4	243.0	247.6	252.5	257.0	260.7	264.7	268.3	272.0	275.7
Closing stocks	Mt	26.2	26.5	26.5	26.6	26.9	27.3	27.6	27.9	28.2	28.5	28.8
OECD²												
Production	Mt	124.8	129.8	130.9	132.8	135.0	136.5	138.1	139.7	141.4	143.0	144.7
Consumption	Mt	89.2	92.1	92.7	94.0	95.0	96.1	97.3	98.2	99.5	101.0	102.3
Crush	Mt	80.1	83.0	83.7	84.9	85.9	87.0	88.2	89.2	90.5	91.9	93.2
Closing stocks	Mt	13.0	15.8	15.1	14.8	14.8	14.8	14.7	14.7	14.7	14.6	14.6
OTHER OILSEEDS												
World												
Production	Mt	146.8	150.7	152.9	155.3	157.5	160.0	162.5	165.2	167.8	170.5	173.0
Area	Mha	83.9	86.0	86.5	87.1	87.5	88.1	88.6	89.2	89.8	90.4	90.9
Yield	t/ha	1.75	1.75	1.77	1.78	1.80	1.82	1.83	1.85	1.87	1.89	1.90
Consumption	Mt	147.1	150.7	153.1	155.4	157.5	160.0	162.5	165.1	167.7	170.4	173.0
Crush	Mt	124.6	128.6	130.6	132.8	134.7	136.9	139.2	141.6	144.0	146.4	148.8
Closing stocks	Mt	8.5	8.7	8.5	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
Price ³	USD/t	424.0	439.2	452.6	456.3	463.3	465.2	469.0	472.3	478.4	481.5	487.7
Developed countries												
Production	Mt	88.2	90.2	91.4	92.8	94.1	95.7	97.1	98.7	100.2	101.8	103.4
Consumption	Mt	80.6	80.4	81.5	82.7	83.7	84.9	86.1	87.3	88.5	89.8	91.2
Crush	Mt	72.9	72.6	73.7	74.8	75.8	76.9	78.1	79.2	80.4	81.6	82.9
Closing stocks	Mt	6.3	6.4	6.3	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2
Developing countries												
Production	Mt	58.6	60.5	61.5	62.5	63.4	64.4	65.4	66.5	67.6	68.7	69.6
Consumption	Mt	66.5	70.4	71.6	72.8	73.8	75.1	76.4	77.8	79.2	80.6	81.8
Crush	Mt	51.7	55.9	57.0	58.0	59.0	60.0	61.2	62.4	63.7	64.9	65.9
Closing stocks	Mt	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6
OECD²												
Production	Mt	59.5	60.9	61.1	61.5	61.8	62.2	62.6	63.0	63.2	63.5	63.8
Consumption	Mt	56.3	56.1	56.3	56.7	56.8	57.1	57.4	57.6	57.7	57.9	58.1
Crush	Mt	50.9	50.8	51.0	51.3	51.5	51.7	52.0	52.1	52.2	52.4	52.5
Closing stocks	Mt	5.4	5.6	5.4	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3
PROTEIN MEALS												
World												
Production	Mt	326.7	348.2	354.1	360.3	366.3	372.2	377.7	383.4	389.0	394.8	400.4
Consumption	Mt	324.7	348.0	354.1	360.1	366.1	372.0	377.5	383.3	389.0	394.7	400.2
Closing stocks	Mt	14.7	14.5	14.5	14.7	14.8	14.9	15.2	15.2	15.3	15.4	15.5
Price ⁴	USD/t	316.8	312.9	323.8	333.0	340.7	344.3	349.1	350.7	356.8	360.8	366.0
Developed countries												
Production	Mt	104.6	107.0	107.8	109.2	110.4	111.8	113.3	114.6	116.2	117.9	119.6
Consumption	Mt	120.3	123.3	123.8	124.7	125.7	126.6	127.1	127.9	128.9	129.7	130.4
Closing stocks	Mt	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2
Developing countries												
Production	Mt	222.1	241.1	246.4	251.1	255.9	260.5	264.5	268.8	272.9	276.9	280.8
Consumption	Mt	204.3	224.7	230.3	235.4	240.5	245.4	250.3	255.4	260.1	265.0	269.8
Closing stocks	Mt	12.9	12.7	12.6	12.8	12.8	13.0	13.1	13.2	13.2	13.3	13.3
OECD²												
Production	Mt	96.5	99.1	99.5	100.8	101.8	102.8	104.1	105.0	106.2	107.5	108.8
Consumption	Mt	124.6	127.4	128.2	129.1	130.2	131.3	132.0	132.9	134.1	135.0	135.7
Closing stocks	Mt	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

ANNEX A

Table A.2. World oilseed projections (cont.)

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
VEGETABLE OILS												
World												
Production	Mt	189.6	202.0	205.7	209.7	213.5	217.1	220.6	224.2	227.7	231.2	234.6
of which palm oil	Mt	65.1	71.1	72.6	74.2	75.8	77.1	78.4	79.6	80.8	82.0	83.2
Consumption	Mt	191.6	202.6	205.7	209.6	213.2	216.8	220.4	224.0	227.5	231.0	234.5
Food	Mt	153.5	162.0	164.8	168.1	171.9	175.5	179.1	182.4	185.7	189.0	192.3
Biofuel	Mt	24.0	26.1	26.4	26.9	26.7	26.5	26.6	26.7	26.9	27.0	27.2
Exports	Mt	76.7	81.3	83.5	85.3	86.9	88.5	90.1	91.7	93.2	94.8	96.3
Closing stocks	Mt	22.7	22.3	22.3	22.4	22.6	22.9	23.1	23.3	23.4	23.6	23.7
Price ⁵	USD/t	783.5	828.6	829.0	829.9	834.3	842.9	852.5	862.8	874.6	883.0	892.0
Developed countries												
Production	Mt	48.3	48.6	49.1	49.9	50.5	51.2	52.0	52.7	53.5	54.3	55.2
Consumption	Mt	53.7	54.0	53.6	53.9	54.1	54.3	54.5	54.6	54.8	54.9	55.0
Closing stocks	Mt	4.8	4.2	3.9	3.8	3.9	4.1	4.1	4.2	4.2	4.2	4.1
Developing countries												
Production	Mt	141.3	153.4	156.6	159.9	163.0	165.9	168.7	171.5	174.2	176.9	179.5
Consumption	Mt	137.8	148.6	152.1	155.7	159.1	162.5	166.0	169.4	172.7	176.1	179.5
Closing stocks	Mt	17.9	18.1	18.4	18.6	18.7	18.8	19.0	19.1	19.3	19.4	19.6
OECD²												
Production	Mt	39.3	39.7	39.9	40.3	40.6	41.0	41.3	41.6	42.0	42.4	42.7
Consumption	Mt	53.5	53.9	53.6	53.9	54.1	54.2	54.4	54.6	54.8	54.9	55.0
Closing stocks	Mt	3.9	3.6	3.4	3.3	3.4	3.5	3.6	3.6	3.6	3.6	3.5

Note: Average 2015-17est: Data for 2017 are estimated.

1. Soybean, U.S., CIF Rotterdam (October/September).
2. Excludes Iceland but includes all EU28 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 (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.3. World sugar projections

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
WORLD												
SUGARBEET												
Production	Mt	272.6	291.5	292.9	289.9	289.0	289.7	290.1	291.0	292.3	293.6	295.0
Area	Mha	4.6	4.9	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Yield	t/ha	59.51	60.00	60.50	60.63	60.91	61.20	61.47	61.69	61.97	62.23	62.52
Biofuel use	Mt	13.8	15.2	15.1	14.9	14.7	14.7	14.8	14.8	14.8	14.8	14.8
SUGARCANE												
Production	Mt	1 873.7	1 919.1	1 943.3	1 957.5	1 990.7	2 012.1	2 034.4	2 055.3	2 073.7	2 092.4	2 111.4
Area	Mha	27.3	27.8	28.0	28.1	28.3	28.5	28.6	28.8	28.9	29.0	29.2
Yield	t/ha	68.75	68.96	69.45	69.58	70.37	70.68	71.05	71.42	71.74	72.09	72.42
Biofuel use	Mt	348.6	353.8	363.5	369.7	376.2	382.3	389.0	395.5	400.7	405.6	410.4
SUGAR												
Production	Mt tq	170.7	178.6	182.1	184.8	188.6	191.2	193.8	196.5	199.1	201.9	204.7
Consumption	Mt tq	167.1	173.4	176.0	178.7	181.4	184.1	186.9	189.6	192.4	195.1	197.9
Closing stocks	Mt tq	78.9	78.2	78.3	78.5	79.6	80.7	81.7	82.6	83.4	84.2	85.1
Price, raw sugar ¹	USD/t	359.7	346.9	352.7	357.4	362.9	367.8	372.6	377.7	383.2	388.1	392.3
Price, white sugar ²	USD/t	442.7	417.3	434.0	437.8	443.0	448.1	452.7	457.3	462.4	467.3	471.7
Price, HFCS ³	USD/t	613.8	503.7	519.5	526.8	538.4	546.5	551.8	555.2	560.6	566.2	572.1
DEVELOPED COUNTRIES												
SUGARBEET												
Production	Mt	226.2	243.2	243.7	240.2	238.4	238.4	238.1	238.3	238.8	239.4	240.0
SUGARCANE												
Production	Mt	81.7	83.5	85.2	86.3	87.0	87.5	87.9	88.6	89.3	89.6	90.2
SUGAR												
Production	Mt tq	41.0	45.1	45.3	45.6	45.6	45.7	45.8	46.0	46.3	46.5	46.7
Consumption	Mt tq	46.3	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	48.1	48.2
Closing stocks	Mt tq	12.2	12.5	12.5	12.4	12.5	12.6	12.7	12.7	12.8	12.9	12.9
HFCS												
Production	Mt dw	9.4	9.7	10.0	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0
Consumption	Mt dw	8.1	8.3	8.5	8.8	9.0	9.0	9.0	9.1	9.2	9.2	9.3
DEVELOPING COUNTRIES												
SUGARBEET												
Production	Mt	46.4	48.3	49.2	49.7	50.5	51.3	52.0	52.8	53.5	54.2	55.0
SUGARCANE												
Production	Mt	1 791.9	1 835.6	1 858.1	1 871.2	1 903.7	1 924.6	1 946.4	1 966.7	1 984.4	2 002.8	2 021.2
SUGAR												
Production	Mt tq	129.8	133.5	136.8	139.3	143.0	145.4	148.0	150.5	152.9	155.4	158.0
Consumption	Mt tq	120.8	126.5	129.0	131.6	134.1	136.7	139.3	141.9	144.5	147.1	149.7
Closing stocks	Mt tq	66.7	65.7	65.8	66.0	67.1	68.1	69.0	69.9	70.6	71.3	72.2
HFCS												
Production	Mt dw	4.4	4.7	4.7	4.7	4.8	4.8	4.9	4.9	4.9	5.0	5.0
Consumption	Mt dw	5.1	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.0
OECD⁴												
SUGARBEET												
Production	Mt	171.7	184.6	185.1	181.5	179.0	178.2	177.2	176.5	176.2	175.9	175.8
SUGARCANE												
Production	Mt	121.9	124.1	126.5	128.2	129.8	131.0	131.6	132.6	133.6	134.5	135.7
SUGAR												
Production	Mt tq	39.2	42.8	43.0	43.3	43.3	43.4	43.4	43.5	43.6	43.8	44.0
Consumption	Mt tq	43.7	44.2	44.4	44.6	44.8	45.0	45.1	45.3	45.5	45.7	45.9
Closing stocks	Mt tq	10.8	10.8	10.9	11.0	11.1	11.2	11.2	11.3	11.4	11.5	11.5
HFCS												
Production	Mt dw	10.7	10.9	11.2	11.4	11.6	11.7	11.8	11.9	12.0	12.0	12.1
Consumption	Mt dw	10.2	10.4	10.6	10.9	11.1	11.1	11.2	11.3	11.4	11.5	11.5

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

HFCS: High fructose corn syrup.

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. United States wholesale list price HFCS-55, dry weight (October/September).
4. Excludes Iceland but includes all EU28 member countries.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.4. World meat projections

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
WORLD												
BEEF AND VEAL												
Production	kt cwe	68 486	71 724	72 799	73 683	74 296	75 038	75 839	76 697	77 471	78 394	79 292
Consumption	kt cwe	67 977	70 932	72 105	72 908	73 509	74 250	75 056	75 913	76 690	77 617	78 510
PIGMEAT												
Production	kt cwe	117 547	120 708	121 855	123 151	124 401	125 644	126 731	127 759	128 807	129 820	130 930
Consumption	kt cwe	117 354	120 476	121 679	122 975	124 230	125 461	126 537	127 556	128 595	129 597	130 699
POULTRY MEAT												
Production	kt rtc	118 083	123 205	125 350	127 142	128 705	130 491	132 229	134 052	135 752	137 316	139 016
Consumption	kt rtc	118 018	123 121	125 248	127 050	128 624	130 401	132 142	133 966	135 669	137 234	138 921
SHEEP MEAT												
Production	kt cwe	14 417	14 872	15 128	15 413	15 708	16 002	16 276	16 559	16 848	17 138	17 430
Consumption	kt cwe	14 436	14 868	15 124	15 411	15 710	15 998	16 269	16 548	16 834	17 121	17 410
TOTAL MEAT												
Per capita consumption ¹	kg rwt	34.3	34.7	34.9	35.0	35.0	35.1	35.1	35.2	35.2	35.3	35.4
DEVELOPED COUNTRIES												
BEEF AND VEAL												
Production	kt cwe	29 543	30 883	31 167	31 326	31 234	31 330	31 516	31 727	31 839	32 030	32 196
Consumption	kt cwe	28 643	29 805	30 235	30 312	30 138	30 171	30 297	30 481	30 572	30 750	30 896
PIGMEAT												
Production	kt cwe	44 251	45 297	45 244	45 378	45 521	45 816	45 974	46 183	46 402	46 532	46 770
Consumption	kt cwe	40 773	41 634	41 718	41 852	41 992	42 257	42 350	42 468	42 588	42 579	42 739
POULTRY MEAT												
Production	kt rtc	48 947	50 868	51 460	52 063	52 398	52 845	53 262	53 696	54 101	54 430	54 763
Consumption	kt rtc	46 971	48 772	49 165	49 666	49 910	50 244	50 538	50 843	51 097	51 280	51 462
SHEEP MEAT												
Production	kt cwe	3 502	3 624	3 683	3 729	3 793	3 863	3 895	3 932	3 969	4 007	4 045
Consumption	kt cwe	2 846	2 915	2 959	2 994	3 037	3 079	3 101	3 128	3 155	3 183	3 210
TOTAL MEAT												
Per capita consumption ¹	kg rwt	68.0	69.7	70.0	70.2	70.1	70.3	70.4	70.6	70.7	70.7	70.8
DEVELOPING COUNTRIES												
BEEF AND VEAL												
Production	kt cwe	38 943	40 842	41 631	42 357	43 061	43 708	44 323	44 969	45 632	46 364	47 096
Consumption	kt cwe	39 334	41 126	41 870	42 595	43 371	44 079	44 759	45 432	46 118	46 867	47 613
PIGMEAT												
Production	kt cwe	73 296	75 411	76 611	77 773	78 880	79 828	80 756	81 576	82 405	83 288	84 160
Consumption	kt cwe	76 581	78 843	79 960	81 123	82 238	83 204	84 187	85 087	86 008	87 019	87 960
POULTRY MEAT												
Production	kt rtc	69 136	72 337	73 890	75 080	76 307	77 646	78 966	80 356	81 651	82 886	84 253
Consumption	kt rtc	71 047	74 349	76 083	77 385	78 714	80 158	81 604	83 123	84 572	85 955	87 458
SHEEP MEAT												
Production	kt cwe	10 915	11 249	11 446	11 684	11 915	12 139	12 382	12 627	12 878	13 131	13 385
Consumption	kt cwe	11 590	11 953	12 165	12 418	12 673	12 919	13 168	13 420	13 679	13 938	14 200
TOTAL MEAT												
Per capita consumption ¹	kg rwt	26.4	26.8	26.9	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.9
OECD²												
BEEF AND VEAL												
Production	kt cwe	27 731	29 331	29 679	29 838	29 724	29 800	29 945	30 119	30 218	30 397	30 554
Consumption	kt cwe	26 736	28 259	28 705	28 777	28 596	28 623	28 741	28 920	29 003	29 176	29 323
PIGMEAT												
Production	kt cwe	42 062	42 982	42 920	42 990	43 107	43 372	43 518	43 720	43 938	44 050	44 271
Consumption	kt cwe	39 307	40 139	40 247	40 336	40 439	40 674	40 782	40 911	41 033	41 052	41 211
POULTRY MEAT												
Production	kt rtc	47 017	48 761	49 421	50 016	50 362	50 831	51 270	51 738	52 165	52 512	52 876
Consumption	kt rtc	44 688	46 380	46 820	47 336	47 626	48 004	48 337	48 686	48 976	49 193	49 424
SHEEP MEAT												
Production	kt cwe	2 721	2 797	2 846	2 877	2 926	2 980	2 997	3 018	3 040	3 062	3 086
Consumption	kt cwe	2 075	2 103	2 135	2 154	2 181	2 206	2 214	2 226	2 237	2 250	2 263
TOTAL MEAT												
Per capita consumption ¹	kg rwt	68.5	70.3	70.5	70.6	70.5	70.6	70.7	70.8	70.9	70.9	71.0

Note: Calendar Year; except year ending 30 September for New Zealand in aggregates.

Average 2015-17est: Data for 2017 are estimated.

1. Per capita consumption expressed in retail weight. Carcass weight to retail weight conversion factors of 0.7 for beef and veal, 0.78 for pigmeat and 0.88 for both sheep meat and poultry meat.
2. Excludes Iceland but includes all EU28 member countries.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.5. World dairy projections: Butter and cheese

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BUTTER												
World												
Production	kt pw	11 081	11 612	11 844	12 061	12 319	12 586	12 869	13 156	13 449	13 748	14 060
Consumption	kt pw	11 005	11 555	11 770	12 011	12 269	12 536	12 818	13 105	13 398	13 697	14 008
Stock changes	kt pw	-5	5	22	-2	-3	-2	-2	-2	-1	-1	-1
Price ¹	USD/t	3 933	4 514	4 228	4 274	4 300	4 373	4 370	4 386	4 413	4 450	4 469
Developed countries												
Production	kt pw	4 737	4 817	4 856	4 903	4 959	5 007	5 065	5 125	5 182	5 234	5 294
Consumption	kt pw	4 143	4 235	4 249	4 307	4 354	4 397	4 442	4 489	4 534	4 578	4 625
Developing countries												
Production	kt pw	6 343	6 794	6 988	7 157	7 360	7 579	7 804	8 031	8 267	8 514	8 766
Consumption	kt pw	6 861	7 320	7 521	7 704	7 916	8 139	8 376	8 615	8 864	9 119	9 384
OECD²												
Production	kt pw	4 562	4 642	4 684	4 734	4 795	4 846	4 908	4 973	5 033	5 090	5 153
Consumption	kt pw	3 976	4 060	4 073	4 131	4 178	4 222	4 267	4 315	4 360	4 404	4 451
Stock changes	kt pw	0	11	28	2	1	0	0	0	0	0	0
CHEESE												
World												
Production	kt pw	22 809	23 713	24 025	24 324	24 653	24 975	25 298	25 602	25 909	26 213	26 507
Consumption	kt pw	22 705	23 654	23 897	24 181	24 518	24 840	25 163	25 468	25 778	26 082	26 376
Stock changes	kt pw	38	-52	16	32	23	24	22	22	19	19	20
Price ³	USD/t	3 425	3 699	3 787	3 878	3 920	3 985	4 024	4 064	4 115	4 168	4 218
Developed countries												
Production	kt pw	18 174	18 909	19 143	19 351	19 606	19 851	20 095	20 325	20 558	20 786	21 005
Consumption	kt pw	17 192	17 962	18 085	18 255	18 469	18 670	18 874	19 059	19 249	19 437	19 611
Developing countries												
Production	kt pw	4 635	4 805	4 882	4 974	5 047	5 124	5 203	5 277	5 351	5 427	5 502
Consumption	kt pw	5 513	5 691	5 812	5 926	6 049	6 169	6 290	6 408	6 529	6 645	6 764
OECD²												
Production	kt pw	17 622	18 336	18 555	18 747	18 997	19 231	19 469	19 693	19 922	20 147	20 365
Consumption	kt pw	16 811	17 543	17 661	17 827	18 037	18 234	18 434	18 616	18 802	18 987	19 153
Stock changes	kt pw	38	-52	16	32	23	24	22	22	19	19	20

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand in aggregates.

Average 2015-17est: Data for 2017 are estimated.

1. FOB export price, butter, 82% butterfat, Oceania.
2. Excludes Iceland but includes all EU28 member countries.
3. FOB export price, cheddar cheese, 39% moisture, Oceania.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
SKIM MILK POWDER												
World												
Production	kt pw	4 505	4 595	4 665	4 707	4 764	4 846	4 910	4 974	5 037	5 098	5 163
Consumption	kt pw	4 348	4 570	4 683	4 726	4 749	4 809	4 850	4 913	4 973	5 033	5 096
Stock changes	kt pw	96	-36	-79	-80	-45	-23	0	0	3	5	7
Price ¹	USD/t	2 069	2 077	2 296	2 369	2 438	2 530	2 603	2 668	2 738	2 817	2 895
Developed countries												
Production	kt pw	3 924	3 998	4 048	4 076	4 119	4 185	4 234	4 285	4 336	4 381	4 432
Consumption	kt pw	2 018	2 131	2 188	2 175	2 141	2 148	2 134	2 142	2 145	2 150	2 158
Developing countries												
Production	kt pw	581	597	618	631	644	662	675	689	701	718	731
Consumption	kt pw	2 331	2 439	2 495	2 552	2 608	2 661	2 716	2 771	2 828	2 883	2 938
OECD²												
Production	kt pw	3 688	3 767	3 795	3 824	3 868	3 931	3 981	4 034	4 086	4 132	4 184
Consumption	kt pw	2 039	2 101	2 161	2 161	2 127	2 134	2 120	2 128	2 131	2 136	2 143
Stock changes	kt pw	96	-36	-79	-80	-45	-23	0	0	3	5	7
WHOLE MILK POWDER												
World												
Production	kt pw	5 317	5 524	5 635	5 729	5 829	5 927	6 024	6 116	6 207	6 277	6 346
Consumption	kt pw	5 227	5 518	5 635	5 729	5 829	5 928	6 024	6 117	6 208	6 277	6 347
Stock changes	kt pw	-7	6	0	0	0	0	-1	-1	-1	-1	-1
Price ³	USD/t	2 664	2 961	3 128	3 220	3 290	3 378	3 445	3 502	3 575	3 640	3 710
Developed countries												
Production	kt pw	2 344	2 331	2 363	2 392	2 428	2 460	2 498	2 537	2 574	2 609	2 640
Consumption	kt pw	598	618	635	643	651	660	669	677	685	693	701
Developing countries												
Production	kt pw	2 973	3 193	3 271	3 337	3 401	3 468	3 526	3 579	3 632	3 668	3 706
Consumption	kt pw	4 629	4 899	4 999	5 086	5 178	5 267	5 356	5 439	5 522	5 584	5 645
OECD²												
Production	kt pw	2 523	2 514	2 543	2 572	2 608	2 638	2 676	2 715	2 751	2 786	2 816
Consumption	kt pw	793	801	820	830	840	852	863	874	885	895	906
Stock changes	kt pw	-7	6	0	0	0	0	-1	-1	-1	-1	-1
WHEY POWDER												
Wholesale price, United States ⁴	USD/t	883	1 081	1 158	1 220	1 178	1 187	1 216	1 244	1 278	1 328	1 359
CASEIN												
Price ⁵	USD/t	6 329	6 546	7 313	7 490	7 650	7 832	8 017	8 170	8 364	8 557	8 754

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand in aggregates.

Average 2015-17est: Data for 2017 are estimated.

1. FOB export price, non-fat dry milk, 1.25% butterfat, Oceania.
2. Excludes Iceland but includes all EU28 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 (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.7. World fish and seafood projections

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
FISH¹												
World												
Production	kt	171 747	176 476	178 380	180 473	181 458	184 920	187 031	188 820	190 965	190 893	194 675
of which aquaculture	kt	79 729	85 232	87 992	90 883	93 293	95 112	96 980	98 504	100 458	102 070	103 713
Consumption	kt	172 616	177 163	178 969	180 963	181 849	185 212	187 224	188 916	190 960	190 889	194 672
of which for food	kt	153 230	158 492	160 919	163 491	165 558	167 951	169 961	171 648	173 698	174 930	177 343
of which for reduction	kt	14 304	14 334	14 107	13 923	12 911	13 959	13 991	14 024	14 048	12 824	14 173
Price												
Aquaculture ²	USD/t	2 877.6	2 587.0	2 726.6	2 719.6	2 865.3	2 825.3	2 871.1	2 893.2	2 970.2	3 013.2	3 067.0
Capture ³	USD/t	1 557.4	1 603.1	1 664.6	1 684.3	1 748.1	1 734.6	1 755.2	1 764.4	1 781.5	1 803.1	1 818.9
Product traded ⁴	USD/t	2 827.8	2 942.4	3 106.0	3 147.1	3 319.0	3 278.3	3 332.4	3 354.4	3 398.1	3 447.8	3 499.3
Developed countries												
Production	kt	28 860	28 839	29 011	29 112	29 165	29 183	29 178	29 193	29 211	29 281	29 322
of which aquaculture	kt	4 578	4 765	4 924	5 088	5 188	5 228	5 258	5 311	5 371	5 470	5 549
Consumption	kt	37 018	36 746	36 593	36 586	36 559	37 081	36 875	37 253	37 135	37 579	37 433
of which for food	kt	31 893	32 368	32 266	32 303	32 303	32 860	32 676	33 076	32 981	33 432	33 317
of which for reduction	kt	4 428	3 901	3 850	3 806	3 779	3 745	3 722	3 700	3 677	3 669	3 639
Developing countries												
Production	kt	142 582	147 336	149 069	151 062	151 993	155 437	157 553	159 327	161 454	161 312	165 053
of which aquaculture	kt	75 149	80 466	83 067	85 793	88 103	89 882	91 720	93 191	95 085	96 599	98 162
Consumption	kt	135 555	140 386	142 344	144 346	145 259	148 099	150 319	151 632	153 793	153 279	157 208
of which for food	kt	121 326	126 112	128 641	131 176	133 243	135 080	137 273	138 560	140 704	141 486	144 013
of which for reduction	kt	9 872	10 428	10 252	10 112	9 127	10 210	10 264	10 320	10 366	9 150	10 530
OECD												
Production	kt	28 361	28 530	28 752	28 908	28 688	28 862	29 047	29 137	29 229	28 880	29 364
of which aquaculture	kt	6 197	6 414	6 641	6 846	6 986	7 037	7 081	7 160	7 242	7 364	7 466
Consumption	kt	38 349	38 704	38 584	38 634	38 369	39 017	38 914	39 365	39 296	39 477	39 717
of which for food	kt	33 107	33 610	33 594	33 722	33 696	34 254	34 141	34 607	34 554	35 031	35 025
of which for reduction	kt	4 507	4 472	4 393	4 340	4 151	4 191	4 201	4 186	4 171	3 925	4 120
FISHMEAL⁵												
World												
Production	kt	4 513.0	4 714.1	4 725.1	4 742.1	4 546.5	4 857.2	4 911.1	4 968.0	5 022.4	4 755.8	5 152.5
from whole fish	kt	3 218.7	3 402.3	3 358.7	3 325.0	3 086.6	3 354.9	3 371.5	3 388.6	3 403.1	3 105.5	3 452.5
Consumption	kt	4 551.0	4 839.6	4 803.3	4 842.9	4 875.0	4 850.2	4 860.2	4 961.9	5 017.1	4 949.9	5 045.7
Variation in stocks	kt	-73.3	63.8	86.1	38.5	-204.2	86.3	95.2	25.4	-0.3	-204.8	86.2
Price ⁶	USD/t	1 474.7	1 475.7	1 507.2	1 507.5	1 621.9	1 574.3	1 601.9	1 632.4	1 657.5	1 762.9	1 720.3
Developed countries												
Production	kt	1 472.9	1 465.0	1 476.9	1 486.2	1 498.6	1 506.6	1 514.3	1 523.0	1 531.5	1 543.3	1 550.7
from whole fish	kt	1 472.9	1 465.0	1 476.9	1 486.2	1 498.6	1 506.6	1 514.3	1 523.0	1 531.5	1 543.3	1 550.7
Consumption	kt	1 525.7	1 514.9	1 466.5	1 442.3	1 402.4	1 370.5	1 331.7	1 318.0	1 296.6	1 235.9	1 238.9
Variation in stocks	kt	4.7	-16.2	1.1	3.5	-42.2	34.3	10.2	0.4	-0.3	-42.8	34.2
Developing countries												
Production	kt	3 039.5	3 249.1	3 248.2	3 255.9	3 047.9	3 350.6	3 396.7	3 445.0	3 490.9	3 212.6	3 601.8
from whole fish	kt	3 039.5	3 249.1	3 248.2	3 255.9	3 047.9	3 350.6	3 396.7	3 445.0	3 490.9	3 212.6	3 601.8
Consumption	kt	3 219.9	3 324.7	3 336.8	3 400.6	3 472.6	3 479.7	3 528.5	3 644.0	3 720.5	3 714.0	3 806.8
Variation in stocks	kt	-78.0	80.0	85.0	35.0	-162.0	52.0	85.0	25.0	0.0	-162.0	52.0
OECD												
Production	kt	1 470.2	1 575.0	1 576.8	1 580.4	1 551.3	1 575.5	1 592.0	1 603.5	1 615.0	1 571.8	1 633.7
from whole fish	kt	1 470.2	1 575.0	1 576.8	1 580.4	1 551.3	1 575.5	1 592.0	1 603.5	1 615.0	1 571.8	1 633.7
Consumption	kt	1 657.5	1 639.5	1 604.6	1 588.2	1 553.3	1 528.3	1 496.9	1 491.6	1 476.9	1 419.2	1 429.7
Variation in stocks	kt	-70.4	23.8	26.1	28.5	-92.2	44.3	25.2	25.4	-0.3	-92.8	44.2

ANNEX A

Table A.7. World fish and seafood projections (cont.)

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
FISH OIL⁵												
World												
Production	kt	910.6	935.9	933.8	934.2	902.3	947.7	956.3	964.8	973.2	930.6	993.0
from whole fish	kt	566.5	580.6	572.1	566.8	529.2	569.1	572.0	574.4	576.5	527.5	583.4
Consumption	kt	946.1	933.0	939.6	941.3	993.4	911.0	941.5	974.9	985.4	1 020.2	956.3
Variation in stocks	kt	-21.7	14.6	5.9	4.6	-79.4	48.4	26.5	1.6	-0.6	-77.9	48.4
Price ⁷	USD/t	1 654.7	1 645.4	1 798.5	1 833.6	1 979.9	1 825.7	1 857.7	1 864.7	1 888.1	2 137.7	1 919.2
Developed countries												
Production	kt	407.4	380.9	381.4	381.1	381.2	380.8	380.9	381.1	381.3	382.2	382.2
from whole fish	kt	407.4	380.9	381.4	381.1	381.2	380.8	380.9	381.1	381.3	382.2	382.2
Consumption	kt	544.5	499.0	511.9	515.7	585.8	480.1	498.9	517.4	519.9	583.5	485.0
Variation in stocks	kt	7.8	3.6	3.9	2.6	-28.4	23.4	4.5	-0.4	-0.6	-28.9	23.4
Developing countries												
Production	kt	503.3	555.0	552.4	553.1	521.1	566.9	575.5	583.7	591.9	548.4	610.8
from whole fish	kt	503.3	555.0	552.4	553.1	521.1	566.9	575.5	583.7	591.9	548.4	610.8
Consumption	kt	404.7	433.9	427.7	425.6	407.6	431.0	442.6	457.5	465.5	436.7	471.3
Variation in stocks	kt	-29.5	11.0	2.0	2.0	-51.0	25.0	22.0	2.0	0.0	-49.0	25.0
OECD												
Production	kt	466.9	461.6	462.5	464.0	458.7	464.8	469.5	473.3	477.3	469.9	484.8
from whole fish	kt	466.9	461.6	462.5	464.0	458.7	464.8	469.5	473.3	477.3	469.9	484.8
Consumption	kt	635.1	652.5	656.0	651.0	696.3	615.9	637.9	661.1	665.0	697.4	629.5
Variation in stocks	kt	-15.6	9.6	0.9	1.6	-29.4	18.4	6.5	1.6	-0.6	-27.9	18.4

Note: The term "fish" indicates fish, crustaceans, molluscs and other aquatic animals, but excludes aquatic mammals, crocodiles, caimans, alligators and aquatic plants.

Average 2015-17est: Data for 2017 are estimated.

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. Data are in product weight.
6. Fishmeal, 64-65% protein, Hamburg, Germany.
7. Fish oil, any origin, N.W. Europe.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.8. World biofuel projections

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ETHANOL												
World												
Production	mln L	118.8	122.4	123.5	125.2	125.7	126.5	127.2	128.1	128.9	129.8	130.5
Consumption	mln L	119.0	123.3	124.1	125.6	126.2	127.0	127.8	128.6	129.4	130.3	131.1
Exports	mln L	9.0	9.2	9.3	9.4	9.4	9.4	9.5	9.6	9.5	9.5	9.4
Price ¹	USD/hl	44.5	45.8	46.7	47.5	48.4	49.7	50.6	51.3	51.5	51.9	52.4
Developed countries												
Production	mln L	70.3	72.1	71.9	72.6	72.1	71.9	71.7	71.5	71.4	71.4	71.3
Consumption	mln L	69.4	72.2	71.8	72.2	72.0	71.9	71.8	71.7	71.6	71.5	71.3
Net trade	mln L	0.7	0.4	0.4	0.4	0.3	0.1	0.0	-0.1	0.0	0.0	0.1
Developing countries												
Production	mln L	48.5	50.3	51.6	52.6	53.6	54.5	55.6	56.6	57.5	58.4	59.2
Consumption	mln L	49.6	51.1	52.3	53.4	54.2	55.1	56.0	56.9	57.8	58.8	59.8
Net trade	mln L	-1.1	-0.7	-0.6	-0.6	-0.6	-0.4	-0.3	-0.2	-0.2	-0.3	-0.4
OECD²												
Production	mln L	69.4	71.2	71.0	71.7	71.2	71.1	70.8	70.6	70.6	70.5	70.4
Consumption	mln L	69.4	72.2	71.9	72.3	72.1	72.0	71.9	71.8	71.7	71.6	71.4
Net trade	mln L	-0.2	-0.5	-0.6	-0.6	-0.6	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8
BIODIESEL												
World												
Production	mln L	34.2	37.4	38.0	39.0	38.8	38.5	38.6	38.7	38.9	39.0	39.3
Consumption	mln L	35.0	37.4	38.1	38.9	38.7	38.6	38.7	38.8	38.9	39.1	39.4
Exports	mln L	3.6	4.1	3.9	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1
Price ³	USD/hl	85.1	91.5	91.8	91.9	91.9	91.7	91.9	91.9	92.8	92.3	93.4
Developed countries												
Production	mln L	20.9	21.8	21.9	22.0	21.8	21.3	21.1	21.0	20.8	20.7	20.6
Consumption	mln L	23.7	24.6	24.4	23.9	23.6	23.2	23.0	22.8	22.6	22.5	22.4
Net trade	mln L	-2.9	-2.9	-2.5	-2.1	-2.0	-2.0	-1.9	-1.9	-1.9	-1.8	-1.8
Developing countries												
Production	mln L	13.3	15.6	16.1	17.0	17.0	17.2	17.5	17.7	18.1	18.3	18.7
Consumption	mln L	11.2	12.8	13.7	15.0	15.1	15.4	15.7	16.0	16.3	16.6	17.0
Net trade	mln L	2.1	2.8	2.4	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.7
OECD²												
Production	mln L	21.5	22.5	22.6	22.7	22.5	22.0	21.8	21.6	21.5	21.3	21.2
Consumption	mln L	24.3	25.3	25.1	24.6	24.3	23.9	23.6	23.5	23.3	23.1	23.0
Net trade	mln L	-2.8	-2.9	-2.5	-2.1	-2.0	-1.9	-1.9	-1.8	-1.8	-1.8	-1.8

Note: Average 2015-17est: Data for 2017 are estimated.

1. Wholesale price, United States, Omaha.
2. Excludes Iceland but includes all EU28 member countries.
3. Producer price Germany net of biodiesel tariff and energy tax.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.9. World cotton projections

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
WORLD												
Production	Mt	23.4	25.1	25.2	25.6	25.9	26.3	26.8	27.3	27.8	28.3	28.7
Area	Mha	30.7	32.3	32.2	32.3	32.3	32.3	32.6	32.7	32.8	32.9	32.9
Yield	t/ha	0.76	0.78	0.78	0.79	0.80	0.81	0.82	0.83	0.85	0.86	0.87
Consumption ¹	Mt	24.5	26.2	26.4	27.0	27.5	27.7	27.4	27.6	27.9	28.3	28.7
Exports	Mt	7.9	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.3	9.4
Closing stocks	Mt	19.5	18.1	16.9	15.5	13.9	12.4	11.8	11.4	11.2	11.2	11.2
Price ²	USD/t	1 697.4	1 597.2	1 436.1	1 450.4	1 469.9	1 517.0	1 537.9	1 542.6	1 541.7	1 539.5	1 544.1
DEVELOPED COUNTRIES												
Production	Mt	6.2	6.5	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	7.0
Consumption	Mt	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
Exports	Mt	4.5	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.4
Imports	Mt	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Closing stocks	Mt	2.1	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.2	2.1
DEVELOPING COUNTRIES												
Production	Mt	17.2	18.7	18.9	19.2	19.5	19.8	20.2	20.6	21.0	21.4	21.8
Consumption	Mt	22.8	24.5	24.6	25.2	25.7	25.9	25.5	25.8	26.0	26.4	26.7
Exports	Mt	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0
Imports	Mt	7.4	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	9.1
Closing stocks	Mt	17.4	15.1	14.0	12.7	11.2	9.9	9.4	9.1	9.0	9.0	9.1
OECD³												
Production	Mt	5.8	6.2	6.1	6.2	6.2	6.3	6.4	6.5	6.6	6.7	6.8
Consumption	Mt	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5
Exports	Mt	3.9	4.3	4.3	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8
Imports	Mt	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Closing stocks	Mt	2.6	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	2.6	2.6

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Consumption for cotton means mill consumption and not final consumer demand.
2. Cotlook A index, Middling 1 3/32", c.f.r. far Eastern ports (August/July).
3. Excludes Iceland but includes all EU28 member countries.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.10. Economic assumptions

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
REAL GDP¹												
Australia	%	2.5	2.8	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7
Canada	%	1.8	2.1	1.9	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Chile	%	1.7	2.5	2.7	2.9	3.2	3.3	3.3	3.3	3.3	3.3	3.3
European Union	%	2.1	2.0	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4
Japan	%	1.2	1.2	1.0	0.2	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Korea	%	2.9	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Mexico	%	2.8	2.2	2.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
New Zealand	%	3.1	3.2	3.0	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
Norway	%	1.7	1.8	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9
Switzerland	%	1.1	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Turkey	%	4.8	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
United States	%	2.2	2.5	2.1	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Algeria	%	2.8	0.8	1.4	1.8	2.3	2.4	2.5	2.5	2.5	2.5	2.5
Brazil	%	-2.2	1.9	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
China	%	6.8	6.6	6.4	6.2	6.0	5.8	5.7	5.8	5.7	5.8	5.7
Egypt	%	4.3	4.5	5.3	5.8	6.0	6.0	5.7	5.7	5.7	5.7	5.7
India	%	7.3	7.4	7.8	7.9	8.1	8.2	8.2	8.2	8.2	8.2	8.2
Indonesia	%	5.0	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Iran	%	4.8	3.8	4.0	4.0	4.1	4.1	4.0	4.0	4.0	4.0	4.0
Malaysia	%	4.9	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
Pakistan	%	4.6	5.6	6.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Russia	%	-0.4	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Saudi Arabia	%	2.0	1.1	1.6	1.8	2.0	2.0	1.9	1.9	1.9	1.9	1.9
South Africa	%	0.8	1.1	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Ukraine	%	-1.8	3.2	3.5	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0
OECD ^{2,3}	%	2.2	2.3	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
PCE DEFLATOR¹												
Australia	%	1.3	1.8	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Canada	%	1.1	1.8	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9
Chile	%	3.5	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
European Union	%	0.7	1.6	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7
Japan	%	0.0	0.7	1.3	1.6	1.3	1.6	1.6	1.6	1.6	1.6	1.6
Korea	%	1.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Mexico	%	4.3	4.2	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
New Zealand	%	0.9	1.6	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Norway	%	2.4	1.6	2.0	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Switzerland	%	-0.2	0.2	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Turkey	%	8.8	9.3	8.8	7.9	7.5	7.5	7.5	7.5	7.5	7.5	7.5
United States	%	1.0	1.9	2.1	2.4	2.2	2.3	2.3	2.3	2.3	2.3	2.3
Algeria	%	5.6	4.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Brazil	%	7.5	4.7	5.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0
China	%	1.7	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Egypt	%	14.9	21.3	13.5	10.1	7.2	7.1	7.1	7.1	7.1	7.1	7.1
India	%	4.4	4.9	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Indonesia	%	4.6	3.9	3.7	3.8	3.6	3.5	3.5	3.5	3.5	3.5	3.5
Iran	%	10.5	10.1	9.5	9.3	9.0	8.7	8.7	8.7	8.7	8.7	8.7
Malaysia	%	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Pakistan	%	3.8	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Russia	%	8.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Saudi Arabia	%	1.8	5.0	2.0	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0
South Africa	%	5.4	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Ukraine	%	25.1	10.0	7.0	6.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0
OECD ^{2,3}	%	1.3	2.1	2.3	2.4	2.3	2.4	2.4	2.4	2.4	2.5	2.5

ANNEX A

Table A.10. Economic assumptions (cont.)

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
GDP DEFLATOR¹												
Australia	%	1.5	1.3	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Canada	%	0.8	2.3	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9
Chile	%	3.5	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
European Union	%	0.7	1.4	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Japan	%	0.7	0.2	1.0	1.6	1.3	1.6	1.6	1.6	1.6	1.6	1.6
Korea	%	2.2	2.3	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Mexico	%	4.9	5.3	4.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
New Zealand	%	1.4	1.8	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Norway	%	-0.3	0.5	2.1	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Switzerland	%	-0.2	0.7	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Turkey	%	8.8	9.3	8.8	7.9	7.5	7.5	7.5	7.5	7.5	7.5	7.5
United States	%	1.4	2.1	2.2	2.4	2.2	2.3	2.3	2.3	2.3	2.3	2.3
Algeria	%	5.6	4.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Brazil	%	7.1	4.6	4.9	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0
China	%	1.8	4.0	4.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Egypt	%	14.9	21.3	13.5	10.1	7.2	7.1	7.1	7.1	7.1	7.1	7.1
India	%	4.4	4.9	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Indonesia	%	4.6	3.9	3.7	3.8	3.6	3.5	3.5	3.5	3.5	3.5	3.5
Iran	%	10.5	10.1	9.5	9.3	9.0	8.7	8.7	8.7	8.7	8.7	8.7
Malaysia	%	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Pakistan	%	3.8	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Russia	%	5.8	4.2	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Saudi Arabia	%	1.8	5.0	2.0	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0
South Africa	%	5.4	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Ukraine	%	25.1	10.0	7.0	6.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0
OECD ³	%	1.5	2.1	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.5
WORLD INPUT PRICES												
Brent crude oil ⁴	USD/barrel	50.3	63.7	67.1	68.3	69.3	70.4	71.5	72.6	73.7	74.9	76.1
Fertiliser ⁵	USD/t	259.7	247.3	255.7	262.1	269.1	273.1	275.3	276.8	277.4	280.1	283.2
EXCHANGE RATES												
Australia	AUD/USD	1.33	1.31	1.31	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38
Canada	CAD/USD	1.30	1.27	1.27	1.27	1.28	1.28	1.28	1.28	1.29	1.29	1.29
Chile	CLP/USD	664.31	690.55	697.45	704.43	711.47	718.59	725.77	733.03	740.36	747.76	755.24
European Union	EUR/USD	0.90	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.89
Japan	JPY/USD	114.05	113.82	113.82	113.96	113.72	113.37	113.02	112.67	112.32	111.97	111.63
Korea	KRW/USD	1 141.97	1 114.30	1 114.30	1 123.74	1 134.74	1 145.50	1 156.35	1 167.31	1 178.38	1 189.55	1 200.82
Mexico	MXN/USD	17.79	19.06	19.06	19.17	19.32	19.45	19.59	19.72	19.86	20.00	20.14
New Zealand	NZD/USD	1.43	1.44	1.44	1.44	1.45	1.45	1.45	1.45	1.45	1.45	1.46
Algeria	DZD/USD	107.26	113.87	116.14	118.47	120.84	123.25	125.72	128.23	130.80	133.41	136.08
Brazil	BRL/USD	3.34	3.25	3.25	3.32	3.38	3.45	3.52	3.59	3.66	3.73	3.80
China	CNY/USD	6.56	6.63	6.63	6.58	6.54	6.50	6.45	6.41	6.37	6.32	6.28
Egypt	EGP/USD	8.35	11.51	12.73	13.70	14.36	15.04	15.74	16.47	17.24	18.05	18.89
India	INR/USD	67.03	70.49	71.92	73.42	74.95	76.51	78.11	79.74	81.40	83.10	84.83
Indonesia	'000 IDR/USD	13.35	13.53	13.71	13.71	13.50	13.37	13.25	13.12	13.00	12.88	12.76
Malaysia	MYR/USD	4.13	4.24	4.15	4.06	3.99	3.94	3.90	3.86	3.82	3.78	3.74
Pakistan	PKR/USD	102.31	106.96	110.23	113.57	116.91	120.46	124.12	127.89	131.78	135.78	139.91
Russia	RUB/USD	62.23	59.14	59.14	59.92	60.60	61.14	61.69	62.25	62.81	63.37	63.94
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	13.62	13.60	14.08	14.59	15.18	15.79	16.43	17.09	17.78	18.50	19.24
Ukraine	UAH/USD	24.88	29.05	29.86	30.71	31.32	31.96	32.60	33.26	33.94	34.62	35.32

ANNEX A

Table A.10. Economic assumptions (cont.)

Calendar year

		2017est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
POPULATION¹												
Australia	%	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0
Canada	%	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7
Chile	%	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
European Union	%	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Japan	%	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4
Korea	%	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
Mexico	%	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
New Zealand	%	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
Norway	%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Switzerland	%	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
Turkey	%	1.6	1.5	1.3	1.1	0.8	0.6	0.5	0.4	0.4	0.5	0.5
United States	%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Algeria	%	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1
Argentina	%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8
Brazil	%	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
China	%	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
Egypt	%	1.9	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.5
India	%	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9
Indonesia	%	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8
Iran	%	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.5
Malaysia	%	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
Pakistan	%	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5
Russia	%	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3
Saudi Arabia	%	2.1	1.9	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.3	1.2
South Africa	%	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
Ukraine	%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6
OECD ³	%	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3
World	%	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9

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. 102, November 2017. For other economies, historical macroeconomic data were obtained from the IMF, World Economic Outlook, October 2017. Assumptions for the projection period draw on the recent short term update of the OECD Economics Department, projections of the IMF, and for population, projections from the United Nations World Population Prospects Database, 2017 Revision (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 2015-17est and 2017est: Data for 2017 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.
4. Short-term update for crude oil price from the OECD Economic Outlook N°102 (November 2017). For 2017, the annual average monthly spot price is used, while the average daily spot price for December 2017 is used as the oil price value for the year 2018 and oil prices during the projection period follow the path of the World Bank average crude oil price projected by the World Bank Commodities Price forecasts, released in October 2017.
5. World Bank. Data for 2017 are estimated, projections by OECD and FAO Secretariats.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.11. World prices

Nominal price

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
CEREALS												
Wheat ¹	USD/t	206.6	209.1	213.8	219.1	222.2	223.2	223.6	223.3	224.7	226.8	229.1
Maize ²	USD/t	155.9	158.7	163.2	167.4	172.6	174.6	174.0	172.4	172.2	172.4	173.0
Other coarse grains ³	USD/t	167.1	163.9	169.8	173.1	176.0	179.3	181.0	182.3	184.4	186.7	189.4
Rice ⁴	USD/t	404.7	412.3	410.6	409.9	414.1	419.6	423.9	425.8	427.2	428.5	431.0
Distiller's dry grains ⁵	USD/t	128.3	136.6	141.5	144.9	148.4	150.3	150.4	149.5	149.7	149.9	150.5
OILSEEDS												
Soybean ⁶	USD/t	399.7	393.7	409.1	416.6	421.1	425.7	430.8	436.4	441.4	447.3	452.5
Other oilseeds ⁷	USD/t	424.0	439.2	452.6	456.3	463.3	465.2	469.0	472.3	478.4	481.5	487.7
Protein meals ⁸	USD/t	316.8	312.9	323.8	333.0	340.7	344.3	349.1	350.7	356.8	360.8	366.0
Vegetable oils ⁹	USD/t	783.5	828.6	829.0	829.9	834.3	842.9	852.5	862.8	874.6	883.0	892.0
SWEETENERS												
Raw sugar ¹⁰	USD/t	359.7	346.9	352.7	357.4	362.9	367.8	372.6	377.7	383.2	388.1	392.3
Refined sugar ¹¹	USD/t	442.7	417.3	434.0	437.8	443.0	448.1	452.7	457.3	462.4	467.3	471.7
HFCS ¹²	USD/t dw	613.8	503.7	519.5	526.8	538.4	546.5	551.8	555.2	560.6	566.2	572.1
Molasses ¹³	USD/t	152.6	157.8	169.5	177.8	182.6	182.9	181.6	179.8	179.5	180.0	181.3
MEAT												
Beef and veal												
Price, EU ¹⁴	USD/t dwt	4 154.7	4 054.3	3 958.8	3 980.7	3 984.3	3 944.9	3 905.0	3 874.2	3 885.8	3 904.3	3 943.0
Price, United States ¹⁵	USD/t dwt	4 628.5	4 179.4	4 041.3	3 978.8	3 964.5	3 921.7	3 886.3	3 872.1	3 909.2	3 954.0	3 999.8
Price, Brazil ¹⁶	USD/t dwt	4 004.3	3 846.5	3 769.8	3 783.3	3 812.2	3 789.9	3 770.1	3 724.5	3 738.5	3 751.5	3 781.0
Pigmeat												
Price, EU ¹⁷	USD/t dwt	1 673.7	1 736.4	1 750.8	1 842.5	1 933.8	1 991.8	2 013.4	1 953.6	1 878.8	1 891.2	1 966.3
Price, United States ¹⁸	USD/t dwt	1 499.0	1 442.2	1 414.5	1 486.5	1 562.0	1 614.2	1 636.1	1 587.0	1 520.1	1 529.8	1 591.4
Price, Brazil ¹⁹	USD/t dwt	2 374.7	2 278.6	2 296.9	2 422.6	2 536.7	2 599.8	2 610.4	2 535.2	2 472.3	2 497.7	2 589.5
Poultry meat												
Price, EU ²⁰	USD/t rtc	2 025.0	2 006.8	1 968.3	1 986.3	2 019.7	2 025.0	2 025.8	2 009.0	1 998.6	1 992.0	1 972.3
Price, United States ²¹	USD/t rtc	1 192.2	1 140.7	1 166.5	1 187.1	1 215.9	1 222.0	1 221.3	1 216.6	1 213.2	1 211.4	1 211.3
Price, Brazil ²²	USD/t rtc	1 609.0	1 586.1	1 633.4	1 666.8	1 708.6	1 719.5	1 721.6	1 719.3	1 719.5	1 721.2	1 725.5
Sheep meat												
Price, New Zealand ²³	USD/t dwt	3 735.0	3 870.5	3 791.3	3 840.5	3 776.0	3 749.9	3 829.2	3 848.7	3 869.9	3 897.7	3 915.6
FISH AND SEAFOOD												
Product traded ²⁴	USD/t	2 827.8	2 942.4	3 106.0	3 147.1	3 319.0	3 278.3	3 332.4	3 354.4	3 398.1	3 447.8	3 499.3
Aquaculture ²⁵	USD/t	2 877.6	2 587.0	2 726.6	2 719.6	2 865.3	2 825.3	2 871.1	2 893.2	2 970.2	3 013.2	3 067.0
Capture ²⁶	USD/t	1 557.4	1 603.1	1 664.6	1 684.3	1 748.1	1 734.6	1 755.2	1 764.4	1 781.5	1 803.1	1 818.9
Meal ²⁷	USD/t	1 474.7	1 475.7	1 507.2	1 507.5	1 621.9	1 574.3	1 601.9	1 632.4	1 657.5	1 762.9	1 720.3
Oil ²⁸	USD/t	1 654.7	1 645.4	1 798.5	1 833.6	1 979.9	1 825.7	1 857.7	1 864.7	1 888.1	2 137.7	1 919.2
DAIRY PRODUCTS												
Butter ²⁹	USD/t	3 932.5	4 514.0	4 228.3	4 274.0	4 300.2	4 373.2	4 370.5	4 385.8	4 413.4	4 449.6	4 468.6
Cheese ³⁰	USD/t	3 424.5	3 699.4	3 787.1	3 877.7	3 920.4	3 985.0	4 023.9	4 063.7	4 115.3	4 167.5	4 217.7
Skim milk powder ³¹	USD/t	2 069.1	2 076.6	2 295.7	2 369.2	2 437.7	2 529.8	2 603.2	2 667.8	2 738.4	2 816.8	2 894.7
Whole milk powder ³²	USD/t	2 664.0	2 960.6	3 127.9	3 220.1	3 290.3	3 377.6	3 445.4	3 502.0	3 574.9	3 639.6	3 710.0
Whey powder ³³	USD/t	883.3	1 080.9	1 158.3	1 219.8	1 178.2	1 186.9	1 215.8	1 244.1	1 278.4	1 328.3	1 359.0
Casein ³⁴	USD/t	6 329.1	6 546.5	7 313.2	7 489.7	7 649.7	7 831.7	8 017.4	8 170.3	8 364.0	8 556.8	8 754.3
BIOFUEL												
Ethanol ³⁵	USD/hl	44.5	45.8	46.7	47.5	48.4	49.7	50.6	51.3	51.5	51.9	52.4
Biodiesel ³⁶	USD/hl	85.1	91.5	91.8	91.9	91.9	91.7	91.9	91.9	92.8	92.3	93.4
COTTON												
Cotton ³⁷	USD/t	1 697.4	1 597.2	1 436.1	1 450.4	1 469.9	1 517.0	1 537.9	1 542.6	1 541.7	1 539.5	1 544.1
ROOTS AND TUBERS												
Roots and tubers ³⁸	USD/t	377.0	372.6	388.3	400.9	408.0	410.7	410.4	410.5	413.8	415.5	418.1
USA GDP Deflator (2010=1)	Index	1.103	1.144	1.169	1.197	1.224	1.252	1.281	1.310	1.340	1.371	1.403

ANNEX A

Table A.11. World prices (cont.)

Real price

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
CEREALS												
Wheat ¹	USD/t	187.4	182.7	182.8	183.0	181.5	178.3	174.6	170.4	167.7	165.4	163.3
Maize ²	USD/t	141.5	138.7	139.6	139.8	141.0	139.5	135.9	131.6	128.5	125.8	123.3
Other coarse grains ³	USD/t	151.6	143.2	145.2	144.6	143.8	143.2	141.3	139.1	137.6	136.1	135.0
Rice ⁴	USD/t	367.0	360.4	351.2	342.4	338.4	335.1	331.0	325.0	318.7	312.5	307.3
Distiller's dry grains ⁵	USD/t	116.4	119.4	121.0	121.0	121.3	120.0	117.4	114.1	111.7	109.3	107.3
OILSEEDS												
Soybean ⁶	USD/t	362.5	344.1	349.9	347.9	344.1	340.0	336.4	333.1	329.3	326.3	322.7
Other oilseeds ⁷	USD/t	384.5	383.9	387.1	381.1	378.5	371.5	366.2	360.5	356.9	351.2	347.8
Protein meals ⁸	USD/t	287.4	273.5	277.0	278.1	278.4	275.0	272.6	267.7	266.2	263.2	261.0
Vegetable oils ⁹	USD/t	710.3	724.2	709.0	693.1	681.7	673.2	665.7	658.5	652.5	644.0	636.0
SWEETENERS												
Raw sugar ¹⁰	USD/t	326.4	303.2	301.7	298.5	296.5	293.8	290.9	288.3	285.9	283.1	279.7
Refined sugar ¹¹	USD/t	401.9	364.7	371.2	365.6	362.0	357.9	353.5	349.0	345.0	340.9	336.4
HFCS ¹²	USD/t dw	557.7	440.2	444.3	439.9	439.9	436.5	430.9	423.8	418.3	413.0	407.9
Molasses ¹³	USD/t	138.6	137.9	145.0	148.5	149.2	146.1	141.8	137.3	133.9	131.3	129.2
MEAT												
Beef and veal												
Price, EU ¹⁴	USD/t dwt	3 768.1	3 543.5	3 385.7	3 324.5	3 255.5	3 150.9	3 049.0	2 957.0	2 899.4	2 847.7	2 811.4
Price, United States ¹⁵	USD/t dwt	4 202.2	3 652.9	3 456.2	3 322.9	3 239.2	3 132.4	3 034.4	2 955.4	2 916.7	2 884.0	2 851.9
Price, Brazil ¹⁶	USD/t dwt	3 632.2	3 361.9	3 224.0	3 159.6	3 114.8	3 027.1	2 943.6	2 842.8	2 789.4	2 736.3	2 695.9
Pigmeat												
Price, EU ¹⁷	USD/t dwt	1 516.6	1 517.7	1 497.3	1 538.7	1 580.1	1 590.9	1 572.1	1 491.1	1 401.8	1 379.4	1 402.0
Price, United States ¹⁸	USD/t dwt	1 359.6	1 260.5	1 209.7	1 241.4	1 276.3	1 289.3	1 277.5	1 211.3	1 134.2	1 115.8	1 134.7
Price, Brazil ¹⁹	USD/t dwt	2 153.8	1 991.5	1 964.4	2 023.2	2 072.7	2 076.5	2 038.2	1 935.1	1 844.7	1 821.8	1 846.4
Poultry meat												
Price, EU ²⁰	USD/t rtc	1 836.9	1 754.0	1 683.3	1 658.8	1 650.2	1 617.4	1 581.7	1 533.4	1 491.2	1 452.9	1 406.3
Price, United States ²¹	USD/t rtc	1 081.6	997.0	997.6	991.4	993.4	976.1	953.6	928.6	905.2	883.6	863.7
Price, Brazil ²²	USD/t rtc	1 459.3	1 386.3	1 396.9	1 392.0	1 396.0	1 373.4	1 344.2	1 312.3	1 283.0	1 255.4	1 230.3
Sheep meat												
Price, New Zealand ²³	USD/t dwt	3 386.2	3 382.9	3 242.4	3 207.4	3 085.2	2 995.2	2 989.8	2 937.6	2 887.4	2 842.9	2 791.9
FISH AND SEAFOOD												
Product traded ²⁴	USD/t	2 563.6	2 571.7	2 656.3	2 628.3	2 711.8	2 618.4	2 601.9	2 560.3	2 535.5	2 514.8	2 495.0
Aquaculture ²⁵	USD/t	2 609.8	2 261.1	2 331.9	2 271.3	2 341.2	2 256.6	2 241.8	2 208.3	2 216.2	2 197.8	2 186.8
Capture ²⁶	USD/t	1 412.2	1 401.1	1 423.6	1 406.7	1 428.3	1 385.5	1 370.4	1 346.7	1 329.2	1 315.2	1 296.9
Meal ²⁷	USD/t	1 338.5	1 289.8	1 289.0	1 259.0	1 325.2	1 257.5	1 250.8	1 246.0	1 236.7	1 285.8	1 226.6
Oil ²⁸	USD/t	1 502.4	1 438.1	1 538.1	1 531.4	1 617.7	1 458.3	1 450.5	1 423.3	1 408.8	1 559.2	1 368.4
DAIRY PRODUCTS												
Butter ²⁹	USD/t	3 556.3	3 945.4	3 616.2	3 569.4	3 513.6	3 493.0	3 412.4	3 347.5	3 293.0	3 245.4	3 186.1
Cheese ³⁰	USD/t	3 103.5	3 233.4	3 238.8	3 238.5	3 203.2	3 182.9	3 141.9	3 101.7	3 070.5	3 039.7	3 007.3
Skim milk powder ³¹	USD/t	1 877.2	1 815.0	1 963.3	1 978.7	1 991.7	2 020.6	2 032.6	2 036.2	2 043.2	2 054.5	2 064.0
Whole milk powder ³²	USD/t	2 413.2	2 587.7	2 675.1	2 689.3	2 688.4	2 697.8	2 690.2	2 672.9	2 667.3	2 654.7	2 645.2
Whey powder ³³	USD/t	800.4	944.7	990.6	1 018.7	962.7	948.0	949.3	949.5	953.8	968.8	969.0
Casein ³⁴	USD/t	5 741.6	5 721.8	6 254.4	6 255.0	6 250.3	6 255.4	6 259.9	6 236.1	6 240.7	6 241.2	6 241.9
BIOFUEL												
Ethanol ³⁵	USD/hi	40.4	40.0	39.9	39.7	39.6	39.7	39.5	39.2	38.4	37.8	37.4
Biodiesel ³⁶	USD/hi	77.2	80.0	78.5	76.7	75.1	73.3	71.8	70.1	69.3	67.3	66.6
COTTON												
Cotton ³⁷	USD/t	1 538.5	1 395.9	1 228.2	1 211.3	1 201.0	1 211.7	1 200.8	1 177.4	1 150.3	1 122.9	1 101.0
ROOTS AND TUBERS												
Roots and tubers ³⁸	USD/t	342.3	325.6	332.1	334.8	333.4	328.0	320.4	313.3	308.7	303.1	298.1

ANNEX A

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 products on calendar year basis. See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

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. Milled 100%, grade b, nominal price quote, FOB Bangkok (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. United States wholesale list price HFCS-55, dry weight (October/September).
13. Unit import price, Europe (October/September).
14. EU average beef producer price.
15. Choice steers, 1100-1300 lb lw, Nebraska - lw to dwt conversion factor 0.63.
16. Brazil: frozen beef, export unit value, product weight.
17. EU average pigmeat producer price.
18. Barrows and gilts, No. 1-3, 230-250 lb lw, Iowa/South Minnesota - lw to dwt conversion factor 0.74.
19. Brazil: frozen pigmeat, export unit value, product weight.
20. EU average producer price.
21. Wholesale weighted average broiler price 12 cities.
22. Brazil: export unit value for chicken (FOB), product weight.
23. Lamb schedule price, all grade average.
24. World unit value of trade (sum of exports and imports).
25. World unit value of aquaculture fisheries production (live weight basis).
26. FAO estimated value of world ex-vessel value of capture fisheries production excluding for reduction.
27. Fishmeal, 64-65% protein, Hamburg, Germany.
28. Fish oil any origin, N.W. Europe.
29. FOB export price, butter, 82% butterfat, Oceania.
30. FOB export price, cheddar cheese, 39% moisture, Oceania.
31. FOB export price, non-fat dry milk, 1.25% butterfat, Oceania.
32. FOB export price, WMP 26% butterfat, Oceania.
33. FOB export price, sweet whey non-hygroscopic, Western Europe.
34. Export price, New Zealand.
35. Wholesale price, United States, Omaha.
36. Producer price Germany net of biodiesel tariff and energy tax.
37. Cotlook A index, Middling 1 3/32", c.f.r. far Eastern ports (August/July).
38. Thailand, Bangkok, Cassava (flour), wholesale.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.12.1. World trade projections, imports

	Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Wheat												
World Trade	kt	168 418	173 132	176 294	177 867	179 972	182 594	184 787	186 950	188 905	190 984	193 179
OECD ¹	kt	32 703	33 805	33 835	33 426	33 381	33 309	33 290	33 015	33 027	33 027	33 024
Developing countries	kt	141 188	145 835	148 633	150 358	152 508	155 214	157 542	160 063	162 083	164 203	166 431
Least Developed Countries	kt	14 108	14 993	15 697	16 186	16 591	17 010	17 399	17 806	18 194	18 596	19 000
Maize												
World Trade	kt	137 645	138 163	139 741	142 269	144 478	146 097	147 980	150 158	152 190	154 626	156 881
OECD ¹	kt	59 217	58 633	57 664	58 100	58 829	58 910	58 701	58 686	58 755	58 928	59 040
Developing countries	kt	101 890	106 076	109 125	111 439	113 365	115 274	117 648	120 303	122 715	125 436	127 981
Least Developed Countries	kt	2 215	2 415	2 363	2 358	2 273	2 227	2 205	2 184	2 181	2 174	2 159
Other coarse grains												
World Trade	kt	41 452	41 019	41 633	42 721	43 784	44 692	45 520	46 351	47 133	47 920	48 659
OECD ¹	kt	7 063	7 244	7 297	7 338	7 460	7 465	7 465	7 458	7 434	7 395	7 307
Developing countries	kt	35 191	34 822	35 403	36 395	37 296	38 173	39 000	39 851	40 693	41 532	42 340
Least Developed Countries	kt	365	372	385	397	402	408	419	434	451	472	495
Rice												
World Trade	kt	44 911	46 758	47 662	48 662	49 671	50 706	51 782	52 914	54 081	55 273	56 471
OECD ¹	kt	5 160	5 374	5 430	5 504	5 557	5 609	5 665	5 717	5 773	5 826	5 881
Developing countries	kt	39 725	41 516	42 382	43 318	44 282	45 278	46 315	47 411	48 534	49 686	50 844
Least Developed Countries	kt	9 762	12 239	12 709	13 004	13 401	13 857	14 319	14 778	15 242	15 737	16 259
Soybean												
World Trade	kt	144 160	155 667	157 892	160 660	163 440	165 488	167 376	169 074	171 112	172 933	174 935
OECD ¹	kt	27 568	27 335	27 146	27 417	27 644	27 813	27 990	28 103	28 321	28 472	28 662
Developing countries	kt	122 360	134 395	136 937	139 609	142 344	144 384	146 289	147 992	149 941	151 723	153 628
Least Developed Countries	kt	1 339	1 911	2 049	2 133	2 196	2 242	2 283	2 317	2 356	2 391	2 427
Other oilseeds												
World Trade	kt	20 134	21 362	21 662	21 973	22 279	22 504	22 723	22 953	23 199	23 448	23 758
OECD ¹	kt	11 527	11 039	11 181	11 280	11 388	11 340	11 273	11 193	11 141	11 093	11 145
Developing countries	kt	10 569	12 521	12 707	12 931	13 140	13 429	13 750	14 085	14 396	14 713	14 994
Least Developed Countries	kt	143	170	180	191	207	221	236	250	264	277	289
Protein Meals												
World Trade	kt	85 224	89 289	90 328	91 134	92 354	93 829	95 258	97 068	98 831	100 507	101 994
OECD ¹	kt	45 165	46 523	46 695	46 576	46 468	46 510	46 532	46 805	47 269	47 411	47 418
Developing countries	kt	46 176	49 048	50 120	51 091	52 464	54 017	55 617	57 363	58 799	60 466	62 036
Least Developed Countries	kt	758	777	754	742	777	807	846	876	907	939	959
Vegetable Oils												
World Trade	kt	77 894	81 295	83 499	85 285	86 921	88 479	90 061	91 714	93 185	94 771	96 262
OECD ¹	kt	21 521	21 373	21 311	21 384	21 391	21 340	21 271	21 219	21 152	21 060	20 964
Developing countries	kt	57 635	61 161	63 451	65 179	66 806	68 421	70 081	71 802	73 354	75 049	76 651
Least Developed Countries	kt	5 973	6 559	6 848	7 138	7 428	7 715	7 999	8 268	8 527	8 788	9 039
Sugar												
World Trade	kt	54 721	52 526	53 311	54 101	55 447	56 151	56 941	57 803	58 702	59 751	60 797
OECD ¹	kt	11 205	10 440	10 400	10 448	10 568	10 672	10 799	10 905	11 020	11 151	11 268
Developing countries	kt	42 911	41 960	42 856	43 637	44 838	45 453	46 133	46 908	47 717	48 664	49 621
Least Developed Countries	kt	7 073	6 540	6 947	7 151	7 376	7 516	7 684	7 843	8 019	8 220	8 430
Beef²												
World Trade	kt	8 722	9 081	9 152	9 290	9 442	9 615	9 800	9 981	10 130	10 270	10 392
OECD ¹	kt	3 691	3 839	3 799	3 835	3 866	3 911	3 957	4 003	4 031	4 056	4 081
Developing countries	kt	5 180	5 509	5 631	5 753	5 898	6 043	6 207	6 359	6 483	6 603	6 711
Least Developed Countries	kt	135	150	160	167	179	193	208	227	243	259	271
Pigmeat²												
World Trade	kt	7 422	7 659	7 605	7 648	7 713	7 763	7 796	7 859	7 952	8 058	8 133
OECD ¹	kt	3 817	3 879	3 928	3 961	3 997	4 031	4 054	4 071	4 076	4 093	4 106
Developing countries	kt	4 480	4 742	4 672	4 703	4 722	4 742	4 784	4 853	4 950	5 084	5 163
Least Developed Countries	kt	159	147	163	184	200	213	223	234	252	273	289
Poultry meat												
World Trade	kt	12 459	13 026	13 519	13 819	14 029	14 275	14 548	14 834	15 128	15 418	15 716
OECD ¹	kt	3 261	3 347	3 453	3 470	3 485	3 503	3 509	3 510	3 516	3 522	3 544
Developing countries	kt	8 820	9 241	9 613	9 914	10 143	10 389	10 663	10 948	11 239	11 529	11 812
Least Developed Countries	kt	843	967	1 025	1 072	1 108	1 150	1 200	1 253	1 304	1 355	1 405
Sheep meat²												
World Trade	kt	968	986	990	997	1 015	1 030	1 035	1 039	1 043	1 048	1 052
OECD ¹	kt	372	376	373	376	383	388	386	386	384	384	382
Developing countries	kt	606	620	626	629	640	649	656	662	668	673	679
Least Developed Countries	kt	4	5	5	5	5	6	6	6	6	6	6

ANNEX A

Table A.12.1. World trade projections, imports (cont.)

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Butter												
World Trade	kt	834	861	876	899	917	928	948	968	988	1 003	1 024
OECD ¹	kt	152	162	162	165	164	162	162	162	163	162	162
Developing countries	kt	597	601	611	626	638	646	660	674	687	698	714
Least Developed Countries	kt	15	13	11	12	13	15	17	19	22	26	31
Cheese												
World Trade	kt	2 364	2 477	2 525	2 571	2 617	2 663	2 712	2 764	2 818	2 870	2 924
OECD ¹	kt	975	1 021	1 037	1 062	1 061	1 069	1 076	1 084	1 092	1 104	1 107
Developing countries	kt	1 365	1 416	1 449	1 473	1 516	1 555	1 594	1 634	1 676	1 712	1 752
Least Developed Countries	kt	27	20	17	19	23	27	32	39	45	51	57
Whole milk powder												
World Trade	kt	2 365	2 407	2 435	2 461	2 496	2 525	2 561	2 596	2 630	2 659	2 691
OECD ¹	kt	97	98	96	94	93	92	92	92	91	92	91
Developing countries	kt	2 261	2 291	2 321	2 350	2 385	2 416	2 453	2 488	2 524	2 553	2 586
Least Developed Countries	kt	168	165	169	175	180	186	192	198	204	211	217
Skim milk powder												
World Trade	kt	2 248	2 416	2 456	2 488	2 531	2 568	2 611	2 655	2 701	2 742	2 787
OECD ¹	kt	439	466	463	466	464	463	462	463	463	463	463
Developing countries	kt	1 987	2 122	2 166	2 210	2 253	2 291	2 334	2 376	2 422	2 463	2 506
Least Developed Countries	kt	102	112	116	120	123	126	130	133	137	140	144
Fish³												
World Trade	kt	39 732	40 426	40 726	41 283	41 679	42 659	43 034	43 860	44 291	45 139	45 852
OECD ¹	kt	21 452	21 973	21 993	22 259	22 473	23 122	23 155	23 698	23 878	24 492	24 669
Developing countries	kt	18 717	18 870	19 156	19 454	19 689	19 994	20 270	20 538	20 784	21 083	21 646
Least Developed Countries	kt	1 068	1 076	1 066	1 085	1 098	1 139	1 167	1 197	1 227	1 265	1 302
Fishmeal⁴												
World Trade	kt	2 857	2 835	2 830	2 869	2 852	2 859	2 822	2 882	2 898	2 782	2 886
OECD ¹	kt	998	1 030	985	967	914	928	879	872	856	785	833
Developing countries	kt	2 025	1 932	1 977	2 037	2 074	2 064	2 083	2 155	2 190	2 150	2 209
Least Developed Countries	kt	23	14	14	14	14	14	14	14	15	14	15
Fish oil⁴												
World Trade	kt	742	700	711	718	758	697	716	739	746	772	727
OECD ¹	kt	590	560	566	566	602	544	557	574	578	604	558
Developing countries	kt	248	230	230	233	224	235	244	254	260	242	263
Least Developed Countries	kt	5	6	6	6	6	6	7	7	7	7	7
Ethanol												
World Trade	kt	9 397	9 440	9 549	9 712	9 680	9 728	9 805	9 838	9 781	9 743	9 679
OECD ¹	kt	5 569	5 664	5 739	5 846	5 816	5 885	5 962	5 995	5 910	5 841	5 751
Developing countries	kt	4 410	4 342	4 379	4 436	4 435	4 416	4 417	4 419	4 450	4 482	4 510
Least Developed Countries	kt	31	41	41	41	41	41	41	41	41	41	41
Biodiesel												
World Trade	kt	4 403	4 209	3 955	3 541	3 422	3 382	3 333	3 281	3 280	3 233	3 237
OECD ¹	kt	4 072	3 993	3 738	3 325	3 206	3 165	3 117	3 065	3 064	3 016	3 021
Developing countries	kt	331	217	217	217	216	217	217	217	216	217	216
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
Cotton												
World Trade	kt	7 783	8 331	8 423	8 518	8 630	8 759	8 882	9 001	9 124	9 254	9 387
OECD ¹	kt	1 588	1 422	1 425	1 434	1 447	1 433	1 435	1 433	1 432	1 433	1 435
Developing countries	kt	7 397	8 000	8 094	8 184	8 297	8 429	8 554	8 673	8 795	8 925	9 057
Least Developed Countries	kt	1 481	1 503	1 551	1 601	1 653	1 704	1 752	1 800	1 848	1 896	1 944
Roots and tubers												
World Trade	kt	11 036	11 381	11 609	11 744	11 871	12 033	12 206	12 381	12 569	12 742	12 937
OECD ¹	kt	1 841	1 846	1 850	1 816	1 811	1 818	1 828	1 833	1 831	1 827	1 825
Developing countries	kt	9 496	9 866	10 095	10 263	10 398	10 561	10 736	10 919	11 121	11 305	11 509
Least Developed Countries	kt	193	195	204	211	214	217	212	208	209	215	225

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 2015-17est: Data for 2017 are estimated.

1. Excludes Iceland but includes all EU28 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 (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.12.2. World trade projections, exports

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Wheat												
OECD ¹	kt	100 275	99 833	102 185	103 717	104 552	105 629	106 280	106 933	107 632	108 387	109 203
Developing countries	kt	22 547	21 597	21 763	22 288	22 594	22 858	23 158	23 479	23 789	24 104	24 450
Least Developed Countries	kt	107	83	80	79	77	76	74	73	72	70	69
Maize												
OECD ¹	kt	58 088	51 076	52 344	54 542	55 716	55 553	56 093	57 198	57 936	58 758	58 946
Developing countries	kt	54 614	58 327	59 184	59 580	60 882	62 175	63 061	63 555	64 350	65 718	67 590
Least Developed Countries	kt	2 756	2 741	2 818	2 851	2 956	3 028	3 084	3 145	3 198	3 270	3 360
Other coarse grains												
OECD ¹	kt	29 448	26 281	26 189	26 787	27 252	27 467	27 849	28 307	28 690	29 058	29 337
Developing countries	kt	6 276	5 044	5 320	5 743	6 298	6 856	7 090	7 280	7 521	7 838	8 187
Least Developed Countries	kt	801	909	854	800	745	694	642	593	546	502	463
Rice												
OECD ¹	kt	4 139	4 371	4 551	4 534	4 584	4 643	4 759	4 822	4 890	4 960	4 972
Developing countries	kt	40 877	40 203	40 911	41 940	42 909	43 882	44 837	45 901	46 996	48 103	49 277
Least Developed Countries	kt	4 111	5 202	5 161	5 292	5 310	5 310	5 352	5 443	5 556	5 665	5 771
Soybean												
OECD ¹	kt	60 580	66 262	66 070	66 496	67 781	68 262	68 866	69 676	70 135	70 591	71 116
Developing countries	kt	83 011	85 679	87 902	90 084	91 474	92 924	94 085	94 846	96 310	97 571	98 944
Least Developed Countries	kt	13	12	11	11	11	11	11	10	10	10	10
Other oilseeds												
OECD ¹	kt	14 764	15 974	16 097	16 221	16 354	16 428	16 505	16 581	16 662	16 737	16 854
Developing countries	kt	2 845	2 594	2 592	2 629	2 674	2 690	2 703	2 705	2 717	2 731	2 750
Least Developed Countries	kt	85	115	104	105	103	101	98	96	95	92	91
Protein Meals												
OECD ¹	kt	17 156	18 095	18 004	18 182	18 035	18 045	18 553	18 840	19 412	19 940	20 407
Developing countries	kt	64 075	65 423	66 296	66 683	67 797	68 982	69 563	70 747	71 546	72 328	72 962
Least Developed Countries	kt	219	192	171	162	145	133	122	113	106	98	93
Vegetable Oils												
OECD ¹	kt	7 296	7 631	7 806	7 899	7 804	7 929	8 097	8 259	8 398	8 592	8 757
Developing countries	kt	61 941	65 982	67 666	69 147	70 550	71 626	72 662	73 749	74 658	75 601	76 465
Least Developed Countries	kt	409	409	389	372	357	343	331	320	309	298	287
Sugar												
OECD ¹	kt	7 684	8 837	8 948	9 083	8 948	9 008	8 950	9 010	9 102	9 215	9 345
Developing countries	kt	53 210	49 834	50 467	51 120	52 580	53 179	53 950	54 682	55 399	56 255	57 125
Least Developed Countries	kt	2 603	1 555	1 802	1 756	1 668	1 606	1 546	1 469	1 404	1 352	1 300
Beef²												
OECD ¹	kt	4 286	4 442	4 394	4 428	4 511	4 598	4 667	4 705	4 748	4 782	4 810
Developing countries	kt	4 730	5 157	5 318	5 430	5 503	5 581	5 672	5 788	5 876	5 973	6 059
Least Developed Countries	kt	2	2	2	2	1	1	1	1	1	1	1
Pigmeat²												
OECD ¹	kt	6 572	6 671	6 584	6 598	6 653	6 706	6 756	6 838	6 928	7 029	7 096
Developing countries	kt	1 153	1 187	1 209	1 236	1 241	1 235	1 220	1 211	1 225	1 235	1 241
Least Developed Countries	kt	1	1	1	1	1	1	1	1	1	1	1
Poultry meat												
OECD ¹	kt	5 515	5 755	6 055	6 164	6 244	6 347	6 463	6 584	6 728	6 865	7 006
Developing countries	kt	6 905	7 225	7 419	7 607	7 735	7 873	8 022	8 177	8 315	8 458	8 604
Least Developed Countries	kt	19	18	18	17	17	17	16	16	16	16	15
Sheep meat²												
OECD ¹	kt	969	977	998	1 020	1 053	1 084	1 090	1 098	1 106	1 113	1 121
Developing countries	kt	84	80	76	73	67	63	64	65	66	67	69
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
Butter												
OECD ¹	kt	738	733	745	765	780	786	803	820	836	847	864
Developing countries	kt	84	82	83	83	84	87	88	90	91	93	95
Least Developed Countries	kt	2	3	3	3	2	2	2	2	2	2	2
Cheese												
OECD ¹	kt	1 749	1 866	1 915	1 951	1 998	2 042	2 089	2 139	2 193	2 245	2 300
Developing countries	kt	486	530	520	521	513	510	506	503	498	494	490
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
Whole milk powder												
OECD ¹	kt	1 834	1 805	1 820	1 836	1 861	1 879	1 905	1 933	1 959	1 983	2 003
Developing countries	kt	605	585	593	601	608	617	623	628	635	637	648
Least Developed Countries	kt	7	6	6	6	6	6	5	5	5	5	5
Skim milk powder												
OECD ¹	kt	1 992	2 168	2 176	2 209	2 251	2 283	2 324	2 369	2 415	2 454	2 497
Developing countries	kt	237	286	294	293	292	293	293	292	292	292	292
Least Developed Countries	kt	3	3	3	3	3	3	3	3	2	2	2

ANNEX A

Table A.12.2. World trade projections, exports (cont.)

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Fish³												
OECD ¹	kt	11 482	11 799	12 162	12 533	12 792	12 966	13 288	13 470	13 811	13 894	14 316
Developing countries	kt	25 723	25 822	25 883	26 173	26 427	27 338	27 512	28 243	28 454	29 126	29 502
Least Developed Countries	kt	980	935	959	943	937	897	877	857	842	823	812
Fishmeal⁴												
OECD ¹	kt	788	892	891	900	994	911	918	928	965	1 020	973
Developing countries	kt	1 889	1 766	1 793	1 846	1 810	1 862	1 836	1 901	1 930	1 800	1 932
Least Developed Countries	kt	38	32	35	38	43	45	48	50	53	57	58
Fish oil⁴												
OECD ¹	kt	380	360	371	377	393	374	382	384	390	404	394
Developing countries	kt	390	352	365	371	400	358	367	391	398	415	389
Least Developed Countries	kt	5	5	5	5	5	5	6	6	6	6	6
Ethanol												
OECD ¹	kt	5 366	5 117	5 184	5 288	5 175	5 104	5 057	4 973	4 944	4 943	4 943
Developing countries	kt	3 357	3 688	3 730	3 789	3 871	3 991	4 114	4 232	4 203	4 164	4 100
Least Developed Countries	kt	7	20	20	20	20	20	20	20	20	20	20
Biodiesel												
OECD ¹	kt	1 240	1 140	1 232	1 260	1 236	1 236	1 236	1 235	1 235	1 232	1 224
Developing countries	kt	2 383	3 000	2 655	2 212	2 117	2 077	2 028	1 977	1 976	1 931	1 944
Least Developed Countries	kt	0	0	0	0	0	0	0	0	0	0	0
Cotton												
OECD ¹	kt	3 874	4 263	4 345	4 434	4 513	4 594	4 628	4 665	4 705	4 758	4 817
Developing countries	kt	3 342	3 409	3 452	3 496	3 560	3 633	3 710	3 780	3 852	3 924	3 996
Least Developed Countries	kt	888	1 080	1 103	1 126	1 145	1 168	1 197	1 228	1 261	1 293	1 323
Roots and tubers												
OECD ¹	kt	1 313	1 221	1 218	1 287	1 311	1 339	1 359	1 391	1 425	1 469	1 503
Developing countries	kt	10 422	10 797	11 032	11 111	11 229	11 375	11 539	11 687	11 841	11 968	12 128
Least Developed Countries	kt	121	119	113	112	116	117	117	114	113	111	109

Note: Average 2015-17est: Data for 2017 are estimated.

1. Excludes Iceland but includes all EU28 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 (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.13.1. Wheat projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	750 461	832 623	1.52	1.10	168 418	193 179	3.48	1.20	175 149	198 667	3.79	1.17
NORTH AMERICA	85 217	85 705	-0.70	0.77	3 611	3 466	2.40	-1.27	46 595	48 368	0.42	0.40
Canada	29 769	30 422	1.95	0.18	109	110	9.59	0.00	21 375	21 975	2.96	0.02
United States	55 448	55 283	-1.99	1.12	3 502	3 356	2.29	-1.31	25 220	26 393	-1.39	0.73
LATIN AMERICA	29 311	32 632	2.50	1.26	23 235	25 878	2.16	0.92	14 165	15 655	2.87	1.19
Argentina	15 897	18 933	6.37	1.22	3	3	0.00	0.00	10 660	12 402	6.07	1.30
Brazil	5 905	5 983	0.96	1.17	6 880	8 276	0.17	1.42	850	1 185	-2.74	3.90
Chile	1 468	1 304	1.31	1.52	1 186	1 269	6.32	-0.55	0	0	..	..
Colombia	16	46	-2.72	0.68	1 767	1 735	2.81	0.49	57	52	12.58	-0.48
Mexico	3 664	3 979	-1.29	1.24	4 645	5 222	5.52	0.58	1 224	1 109	4.20	-1.27
Paraguay	1 048	1 037	-4.17	1.41	1	1	0.00	0.97	730	437	-9.25	1.64
EUROPE	260 133	288 191	1.93	0.98	7 762	7 170	-0.71	-0.37	79 653	96 960	8.47	1.50
European Union	152 281	164 445	0.89	0.71	5 469	5 075	-2.10	-0.37	29 913	34 939	4.84	1.33
Russia	73 391	83 876	3.89	1.39	376	347	33.48	2.09	31 285	40 186	13.65	1.60
Ukraine	26 244	30 647	2.75	1.29	49	50	49.06	0.08	16 989	19 426	10.54	1.48
AFRICA	26 409	31 202	2.28	1.71	47 907	60 402	3.12	2.09	1 031	931	-3.25	-1.07
Egypt	9 136	10 091	1.89	1.33	11 767	15 162	2.14	2.07	0	0	..	..
Ethiopia	4 563	5 671	7.80	2.11	1 340	2 307	-0.66	7.25	0	0	..	..
Nigeria	65	76	-2.83	1.53	4 533	5 422	2.67	2.09	600	509	4.14	-2.05
South Africa	1 614	1 844	-2.41	1.30	1 634	1 827	2.14	0.27	82	128	-12.06	5.26
ASIA	322 664	367 308	1.76	1.19	85 021	95 306	4.61	0.98	15 564	17 283	2.21	1.79
China ¹	129 608	133 275	1.78	0.57	3 852	4 477	25.80	2.46	142	200	-10.43	3.62
India	92 401	112 058	2.20	1.29	2 758	174	62.15	-18.60	631	711	69.23	6.31
Indonesia	0	0	..	..	10 136	13 754	9.28	1.93	130	125	24.85	-1.89
Iran	12 040	15 713	3.51	1.58	1 763	938	-8.07	-5.78	184	431	12.24	1.41
Japan	891	925	2.60	0.44	5 675	5 419	0.65	-0.52	0	0	..	..
Kazakhstan	14 197	16 467	0.27	1.44	68	52	8.91	0.05	7 295	8 501	0.46	1.56
Korea	35	49	7.97	2.37	4 537	5 207	0.35	1.54	50	54	0.00	0.67
Malaysia	0	0	..	..	1 499	1 673	3.95	0.54	108	111	11.19	-0.54
Pakistan	25 439	31 648	1.68	2.03	13	24	-37.29	1.91	750	105	-2.85	-1.91
Philippines	0	0	..	..	5 300	6 498	7.38	1.96	0	0	..	..
Saudi Arabia	17	3	-46.34	-7.21	3 633	4 488	12.27	1.67	0	0	..	..
Thailand	1	1	0.42	1.38	3 833	3 567	13.73	1.64	15	13	8.48	-1.61
Turkey	21 567	26 223	1.27	1.94	4 571	4 027	4.95	-2.77	4 344	5 258	6.40	2.85
Viet Nam	0	0	..	..	4 400	5 854	14.06	2.38	41	44	-27.88	-2.33
OCEANIA	26 727	27 585	1.06	1.14	882	956	4.07	0.71	18 141	19 470	1.00	1.10
Australia	26 299	27 038	1.07	1.09	24	20	8.95	0.00	18 141	19 470	1.00	1.10
New Zealand	427	547	0.14	3.44	507	555	6.63	0.43	0	0	-17.96	0.00
DEVELOPED COUNTRIES	401 190	435 639	1.16	1.01	27 230	26 748	0.86	-0.37	152 602	174 217	3.94	1.14
DEVELOPING COUNTRIES	349 271	396 984	1.98	1.20	141 188	166 431	4.06	1.48	22 547	24 450	2.99	1.40
LEAST DEVELOPED COUNTRIES (LDC)	8 468	9 739	3.44	1.61	14 108	19 000	5.32	2.54	107	69	-3.61	-1.95
OECD²	292 875	311 313	0.44	0.87	32 703	33 024	1.60	-0.29	100 275	109 203	1.92	0.90
BRICS	302 919	337 036	2.32	1.02	15 500	15 101	7.08	0.74	32 990	42 410	11.43	1.74

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.13.2. Wheat projections: Consumption, food

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	726 564	823 813	1.42	0.97	496 386	547 425	1.22	0.88	66.5	65.8	0.03	-0.09
NORTH AMERICA	40 138	40 796	-0.06	0.36	28 699	29 348	0.38	0.28	80.1	75.7	-0.38	-0.43
Canada	8 803	8 573	1.80	0.10	2 789	2 811	-0.04	0.11	76.9	70.7	-1.05	-0.70
United States	31 335	32 223	-0.55	0.44	25 910	26 537	0.43	0.30	80.4	76.3	-0.31	-0.40
LATIN AMERICA	38 020	42 809	1.34	0.94	34 285	38 208	1.48	1.02	53.8	54.4	0.34	0.16
Argentina	5 856	6 520	2.04	0.98	5 152	5 790	1.24	1.06	117.5	120.0	0.20	0.20
Brazil	11 501	13 065	1.11	0.78	10 900	12 095	0.86	1.04	52.5	54.3	-0.05	0.44
Chile	2 432	2 574	2.13	0.37	1 942	1 947	1.16	-0.08	108.4	100.7	0.26	-0.75
Colombia	1 595	1 727	2.05	0.56	1 420	1 504	1.35	0.40	29.2	28.7	0.36	-0.24
Mexico	7 018	8 104	1.31	1.19	6 186	7 211	4.15	1.37	48.5	50.1	2.69	0.31
Paraguay	516	599	2.58	1.41	342	382	1.45	1.12	50.9	50.1	0.11	-0.01
EUROPE	187 291	198 347	-0.10	0.60	79 952	79 709	0.00	-0.04	107.7	107.4	-0.11	-0.02
European Union	128 216	134 464	-0.11	0.56	55 779	56 267	0.11	0.01	109.8	109.8	-0.05	-0.04
Russia	40 560	44 101	0.36	0.66	14 660	13 723	0.14	-0.38	101.8	96.7	0.06	-0.21
Ukraine	10 390	11 260	-2.73	1.06	4 699	4 991	-1.57	0.43	105.7	118.9	-1.08	0.96
AFRICA	73 278	90 315	3.23	1.97	61 016	75 517	2.52	2.01	49.8	47.4	-0.09	-0.38
Egypt	20 917	25 178	2.96	1.74	17 717	21 423	2.24	1.71	185.2	186.6	0.11	0.09
Ethiopia	5 909	7 952	6.02	3.30	4 726	6 433	4.74	3.49	46.2	48.9	2.06	1.20
Nigeria	3 998	4 982	2.33	2.63	3 767	4 717	3.33	2.70	20.3	19.2	0.62	0.15
South Africa	3 266	3 541	1.01	0.64	3 193	3 462	1.23	0.64	57.0	55.0	-0.11	-0.38
ASIA	378 312	442 522	2.03	1.00	289 491	321 705	1.34	0.91	64.9	66.3	0.29	0.17
China ¹	115 190	137 812	0.34	0.39	87 833	90 223	0.19	0.22	62.6	62.6	-0.34	0.02
India	97 195	108 913	3.14	1.00	79 229	89 062	1.57	1.03	59.8	60.3	0.32	0.05
Indonesia	9 840	13 603	8.44	1.97	6 673	8 391	4.25	1.90	25.6	29.0	2.96	0.98
Iran	14 820	16 214	0.78	0.93	13 403	14 689	1.30	0.79	167.0	167.5	0.07	0.05
Japan	6 593	6 334	0.71	-0.37	5 182	5 001	0.27	-0.31	40.6	40.6	0.36	0.03
Kazakhstan	6 955	7 977	-0.53	1.58	2 555	2 807	1.14	0.82	142.1	141.1	-0.36	-0.05
Korea	4 389	5 188	0.94	1.55	2 430	2 506	0.52	0.28	47.8	47.8	0.12	0.01
Malaysia	1 425	1 560	4.64	0.71	991	1 031	2.36	0.20	31.8	28.8	0.60	-1.01
Pakistan	25 269	31 528	1.57	2.00	24 247	30 168	2.18	2.00	125.5	129.0	0.08	0.29
Philippines	5 233	6 479	7.69	1.98	2 400	2 662	2.03	0.81	23.2	22.0	0.39	-0.59
Saudi Arabia	3 683	4 458	3.44	1.44	3 250	3 799	3.51	1.39	100.8	99.4	0.74	-0.06
Thailand	3 569	3 531	14.04	1.58	1 175	1 410	3.86	0.98	17.1	20.2	3.43	0.90
Turkey	22 438	24 985	1.66	0.88	16 680	18 456	1.54	0.73	209.8	212.2	-0.02	0.11
Viet Nam	4 059	5 784	15.62	2.39	1 508	1 977	4.19	2.54	15.9	19.0	3.06	1.65
OCEANIA	9 525	9 024	4.08	1.40	2 943	2 938	3.50	0.69	75.0	65.0	1.89	-0.56
Australia	8 235	7 544	4.28	1.36	2 217	2 146	4.62	0.63	91.9	78.3	3.07	-0.49
New Zealand	944	1 101	4.09	1.91	396	430	0.76	0.76	85.0	84.3	-0.32	-0.05
DEVELOPED COUNTRIES	272 891	287 968	0.14	0.65	133 519	135 337	0.35	0.15	94.9	93.0	-0.07	-0.14
DEVELOPING COUNTRIES	453 673	535 845	2.26	1.15	362 866	412 088	1.55	1.14	59.9	60.0	0.17	0.01
LEAST DEVELOPED COUNTRIES (LDC)	22 135	28 560	4.97	2.18	17 487	22 935	3.77	2.32	22.0	22.5	1.34	0.06
OECD²	223 825	234 945	0.32	0.61	121 674	125 740	0.67	0.28	92.1	90.9	0.10	-0.12
BRICS	267 711	307 432	1.34	0.66	195 816	208 564	0.78	0.57	62.5	62.3	-0.06	0.01

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.14.1. Maize projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	1 040 844	1 201 713	3.33	1.30	137 645	156 881	6.35	1.41	138 724	157 227	6.73	1.41
NORTH AMERICA	380 709	404 001	2.38	0.62	2 520	2 299	1.53	-0.66	54 306	54 834	2.38	1.52
Canada	13 616	14 980	3.28	0.57	1 047	1 007	-5.60	-1.45	1 465	1 585	27.13	-0.16
United States	367 093	389 021	2.35	0.62	1 473	1 292	18.76	0.03	52 842	53 248	2.20	1.57
LATIN AMERICA	163 051	202 506	5.71	1.90	31 356	36 047	5.38	2.13	49 233	62 888	12.26	1.70
Argentina	36 863	46 731	10.07	2.13	4	4	0.00	0.00	19 347	22 821	8.27	1.63
Brazil	82 663	106 672	5.89	2.01	1 484	697	5.10	0.23	26 152	36 099	16.40	1.68
Chile	1 260	1 401	-1.86	2.53	1 463	1 708	7.71	1.83	107	140	5.00	-1.79
Colombia	1 688	2 894	0.60	3.26	4 613	5 081	5.12	1.00	88	84	17.54	-0.93
Mexico	26 222	27 566	2.44	0.72	12 974	16 717	7.14	2.59	1 166	925	34.11	2.64
Paraguay	4 713	4 590	12.17	1.89	10	10	-5.27	-0.18	2 337	2 784	11.10	2.82
EUROPE	108 166	127 139	2.96	1.32	15 027	9 786	17.48	-2.58	28 301	32 791	16.35	1.44
European Union	59 908	70 929	-0.29	1.15	14 289	9 229	19.31	-2.75	2 367	2 895	4.49	1.46
Russia	13 792	17 115	15.97	2.09	45	53	-3.36	0.06	5 192	6 145	43.07	2.01
Ukraine	25 167	30 538	11.52	1.51	48	25	6.20	-0.10	18 935	21 762	18.75	1.50
AFRICA	77 302	102 018	3.32	2.18	22 522	26 798	6.64	2.28	4 118	4 829	-0.44	-1.77
Egypt	7 635	8 474	0.54	2.14	8 933	12 295	7.33	2.31	0	0	..	..
Ethiopia	7 810	9 516	8.98	2.00	0	0	..	..	650	305	26.23	-6.51
Nigeria	10 686	13 205	4.88	1.83	443	722	24.14	2.38	150	125	-9.49	-0.80
South Africa	12 132	15 426	-0.39	0.60	1 399	0	64.11	..	1 370	1 862	-5.06	-5.22
ASIA	311 012	365 332	3.58	1.52	66 068	81 808	5.36	1.50	2 694	1 809	-7.09	-1.72
China ¹	220 031	250 628	3.70	1.34	3 212	6 689	35.99	4.22	37	12	-23.60	12.82
India	24 853	32 525	3.79	2.27	99	54	25.89	-0.87	547	131	-19.86	-9.19
Indonesia	21 486	28 158	3.18	1.81	1 881	1 052	17.41	3.88	137	77	7.55	-0.49
Iran	989	1 112	-5.81	1.76	6 708	9 815	9.33	2.10	0	0	..	..
Japan	0	0	..	..	14 950	14 924	-1.13	-0.11	0	0	..	..
Kazakhstan	600	632	2.34	1.47	40	33	43.30	1.10	40	49	29.96	-1.10
Korea	77	81	-0.70	0.22	10 210	10 985	4.20	0.33	0	0	..	..
Malaysia	59	71	4.00	1.56	3 621	4 734	3.47	1.63	36	31	17.12	-1.61
Pakistan	5 433	6 842	6.25	1.69	7	30	4.80	23.05	50	2	-31.91	-31.29
Philippines	7 538	9 137	1.52	1.56	463	910	20.93	16.83	0	0	..	..
Saudi Arabia	84	106	-6.28	2.53	3 733	5 523	9.97	1.94	0	0	..	..
Thailand	4 560	5 426	0.01	1.82	146	242	-11.93	1.58	465	186	-3.95	-1.56
Turkey	6 233	7 639	5.63	2.09	1 056	1 268	14.49	-3.29	69	70	3.17	0.63
Viet Nam	5 213	6 215	1.94	1.83	8 476	12 745	33.58	3.17	92	63	39.82	-0.95
OCEANIA	604	717	0.33	2.35	152	143	68.50	1.32	73	76	12.07	0.64
Australia	398	496	1.37	2.51	0	0	..	..	68	71	14.88	0.68
New Zealand	195	209	-1.62	2.04	148	141	118.09	1.37	5	5	-2.05	0.00
DEVELOPED COUNTRIES	504 032	549 906	2.44	0.78	35 755	28 900	5.25	-0.99	84 110	89 636	5.36	1.29
DEVELOPING COUNTRIES	536 812	651 807	4.25	1.76	101 890	127 981	6.77	2.05	54 614	67 590	9.41	1.58
LEAST DEVELOPED COUNTRIES (LDC)	38 163	52 587	4.29	2.71	2 215	2 159	5.34	-1.27	2 756	3 360	5.77	2.24
OECD²	475 206	512 530	2.02	0.72	59 217	59 040	5.37	0.16	58 088	58 946	2.65	1.52
BRICS	353 471	422 365	4.39	1.58	6 240	7 493	21.09	3.70	33 298	44 248	12.32	1.24

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.14.2. Maize projections: Consumption, feed, food

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		FEED (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	1 037 043	1 200 684	3.31	1.20	578 823	698 507	3.11	1.57	17.7	19.4	0.65	0.76
NORTH AMERICA	323 265	351 941	1.93	0.48	144 072	165 737	1.11	1.08	19.0	18.6	-0.17	-0.26
Canada	12 799	14 405	1.15	0.51	7 174	8 806	-0.16	0.89	44.3	40.9	-0.96	-0.84
United States	310 466	337 536	1.97	0.48	136 898	156 931	1.18	1.09	16.1	16.0	0.03	-0.10
LATIN AMERICA	141 851	175 076	3.75	1.71	91 955	117 868	3.79	2.02	51.1	52.9	0.33	0.33
Argentina	17 635	23 832	11.95	2.65	12 110	17 208	13.57	3.27	34.9	36.6	2.33	0.19
Brazil	57 995	71 123	3.34	1.63	43 679	54 907	2.49	1.86	24.1	24.7	0.39	0.20
Chile	2 497	2 942	1.58	1.93	1 833	2 223	1.15	2.33	21.2	20.9	0.81	-0.17
Colombia	6 173	7 870	3.81	1.84	4 196	5 695	5.06	2.32	39.5	40.3	0.35	0.02
Mexico	36 629	43 332	2.85	1.08	18 467	22 561	4.65	1.02	130.8	133.5	-0.29	0.21
Paraguay	1 369	1 718	8.50	2.16	443	571	17.92	2.20	55.6	61.3	1.33	0.99
EUROPE	97 757	103 899	2.14	0.83	73 965	76 927	2.14	0.45	8.2	8.3	0.19	0.21
European Union	74 348	77 059	1.90	0.65	55 276	55 277	1.91	0.03	9.5	9.8	0.09	0.27
Russia	8 296	11 015	10.56	1.70	6 284	8 704	10.13	2.11	1.4	1.5	4.30	0.58
Ukraine	7 581	8 768	2.43	1.60	5 968	6 994	3.28	1.75	10.7	11.6	-0.16	0.64
AFRICA	94 591	123 687	4.35	2.35	33 414	41 599	5.89	2.18	40.7	43.4	0.65	0.42
Egypt	16 435	20 727	3.83	2.20	12 035	15 612	5.03	2.51	41.5	40.5	-0.75	-0.11
Ethiopia	7 176	9 219	8.29	2.46	1 300	931	20.12	0.02	46.3	54.7	2.67	0.90
Nigeria	10 983	13 788	5.85	1.90	2 133	2 115	15.37	0.53	35.6	36.5	1.32	0.10
South Africa	11 444	13 532	1.43	1.50	5 366	6 751	1.63	2.53	87.5	83.6	-0.31	-0.40
ASIA	378 882	445 297	4.54	1.36	234 935	295 817	4.23	1.90	8.2	8.6	-0.14	0.31
China ¹	227 797	257 482	4.78	1.14	139 667	171 389	4.04	1.89	6.1	6.1	-2.10	0.01
India	24 800	32 419	6.24	2.33	9 731	14 407	10.09	3.62	6.8	7.3	-0.34	0.18
Indonesia	23 297	29 093	4.11	1.86	8 867	13 648	6.73	2.39	28.8	29.5	0.43	0.28
Iran	7 763	10 907	5.81	2.06	7 538	10 639	5.97	2.06	0.9	0.9	-1.21	0.05
Japan	14 929	14 946	-1.16	-0.09	11 312	11 148	-1.15	-0.22	0.8	0.8	0.07	-0.85
Kazakhstan	637	612	5.92	1.87	533	485	4.57	1.97	0.6	0.6	2.32	0.97
Korea	10 119	11 063	3.45	0.21	7 814	8 658	3.57	0.15	1.9	1.9	-0.20	0.01
Malaysia	3 664	4 773	3.48	1.67	3 494	4 597	3.66	1.73	1.6	1.5	-0.84	-0.83
Pakistan	5 507	6 852	6.81	1.63	2 533	3 382	7.97	2.22	8.1	8.2	1.47	-0.21
Philippines	7 794	10 015	1.19	2.35	5 090	6 507	-0.13	2.59	18.5	20.0	1.37	0.78
Saudi Arabia	3 800	5 625	9.11	1.95	3 594	5 403	8.55	2.00	0.2	0.2	-2.57	-1.00
Thailand	4 341	5 475	0.31	1.92	4 002	5 135	0.61	2.04	1.2	1.1	-0.42	-0.09
Turkey	7 253	8 826	6.91	1.25	5 370	7 014	8.36	1.68	16.1	15.7	0.69	-0.03
Viet Nam	13 573	18 868	13.12	2.70	10 367	15 071	11.62	2.98	6.6	8.2	3.22	1.62
OCEANIA	697	784	3.48	2.34	482	559	3.38	3.31	2.4	2.2	-1.26	-0.70
Australia	331	425	0.43	2.85	138	223	-3.43	6.00	3.2	3.0	-1.08	-0.61
New Zealand	353	345	7.66	1.80	339	329	8.01	1.87	1.5	1.5	-1.06	0.00
DEVELOPED COUNTRIES	451 914	489 385	1.86	0.58	238 573	264 910	1.35	0.88	12.9	13.1	0.17	0.11
DEVELOPING COUNTRIES	585 129	711 300	4.57	1.65	340 250	433 596	4.53	2.01	18.8	20.7	0.68	0.80
LEAST DEVELOPED COUNTRIES (LDC)	37 360	51 247	4.76	2.54	8 084	10 281	8.09	1.44	27.8	32.0	0.89	1.11
OECD²	471 534	512 850	1.98	0.56	246 347	275 056	1.61	0.80	23.0	24.2	0.34	0.50
BRICS	330 331	385 570	4.59	1.35	204 727	256 157	3.98	2.00	8.8	9.1	-0.65	0.15

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	297 420	326 887	-0.01	1.12	41 452	48 659	6.60	1.96	45 761	49 112	4.43	1.94
NORTH AMERICA	29 414	27 715	-0.21	0.11	1 800	1 773	-0.52	-0.17	11 032	10 992	4.30	0.45
Canada	12 227	11 469	-1.47	-0.85	145	127	14.39	-0.26	4 461	3 854	0.41	-2.55
United States	17 188	16 247	0.76	0.86	1 655	1 646	-1.24	-0.16	6 572	7 137	7.94	2.57
LATIN AMERICA	18 444	24 662	0.99	2.74	2 868	3 222	-5.63	0.92	3 099	4 920	1.34	8.51
Argentina	7 297	9 972	5.78	4.13	1	1	0.00	0.00	2 924	4 740	1.46	9.16
Brazil	2 769	3 422	2.28	1.43	599	369	4.41	-2.50	19	17	12.17	1.33
Chile	580	871	3.48	1.59	177	85	-16.35	-0.01	46	117	-1.38	0.01
Colombia	21	24	-21.33	1.52	1 049	1 297	10.18	1.78	0	0	..	..
Mexico	5 891	8 537	-2.33	2.42	801	947	-15.95	-0.68	1	0	45.40	..
Paraguay	31	38	-1.00	1.90	0	0	..	..	2	1	-1.57	-6.48
EUROPE	136 110	141 016	-0.39	0.47	1 347	1 619	-0.36	2.85	19 569	21 066	4.73	1.48
European Union	92 281	96 523	-0.17	0.35	801	830	2.57	4.04	10 327	10 498	8.20	1.54
Russia	26 792	25 919	0.62	0.38	58	163	-11.28	9.66	4 147	4 780	6.26	0.87
Ukraine	10 506	11 517	-2.90	1.32	17	15	-2.28	-0.06	5 012	5 669	0.17	1.86
AFRICA	52 403	67 447	0.61	2.37	4 248	4 873	7.84	1.64	2 643	1 805	10.05	-0.99
Egypt	899	902	-1.91	1.82	71	14	7.77	-22.65	0	0	..	..
Ethiopia	12 812	17 905	6.43	3.65	10	0	-15.18	..	1 500	1 005	24.43	8.01
Nigeria	8 306	9 797	-6.15	1.52	20	18	0.00	-0.23	100	122	-3.11	0.56
South Africa	504	541	-0.18	1.42	181	200	7.31	-1.44	21	26	-7.27	1.23
ASIA	47 351	52 472	0.08	1.33	31 083	37 038	9.60	2.17	1 384	2 611	3.29	4.18
China ¹	8 573	7 380	-1.46	1.01	13 289	14 564	34.52	2.82	72	92	-11.20	2.12
India	17 584	20 089	-1.76	1.26	8	4	8.77	-1.11	467	1 378	7.17	8.24
Indonesia	0	0	..	..	90	92	5.55	0.69	0	0	..	..
Iran	3 087	3 471	4.89	1.23	1 854	3 521	9.05	2.62	0	0	..	..
Japan	218	211	0.07	-0.42	2 017	1 738	-5.83	-1.62	0	0	..	..
Kazakhstan	3 530	4 093	6.43	1.36	10	10	-12.22	0.00	829	1 122	9.97	0.89
Korea	92	123	-5.34	1.34	114	126	3.47	0.76	0	0	..	..
Malaysia	0	0	..	..	0	0	..	..	0	0	..	..
Pakistan	615	720	1.97	1.64	204	303	65.80	3.50	0	0	..	..
Philippines	0	0	..	..	37	50	1.17	2.90	0	0	..	..
Saudi Arabia	212	307	-0.45	1.85	9 676	12 216	3.72	2.18	0	0	..	..
Thailand	166	192	-0.16	1.44	24	19	0.00	-3.67	2	2	-0.19	0.72
Turkey	7 969	9 548	0.73	1.62	251	459	14.01	2.18	8	11	-14.85	-0.40
Viet Nam	2	2	3.44	1.66	70	81	5.61	1.36	0	0	..	..
OCEANIA	13 698	13 574	1.40	0.78	106	134	6.34	2.13	8 034	7 718	4.96	2.46
Australia	13 297	13 241	1.47	0.81	0	0	..	..	8 034	7 718	4.96	2.46
New Zealand	397	328	-1.03	-0.47	20	26	49.07	0.52	0	0	-2.85	0.00
DEVELOPED COUNTRIES	186 007	190 115	-0.05	0.47	6 261	6 318	-2.12	0.27	39 485	40 925	4.72	1.35
DEVELOPING COUNTRIES	111 413	136 771	0.18	2.08	35 191	42 340	9.06	2.24	6 276	8 187	3.45	5.53
LEAST DEVELOPED COUNTRIES (LDC)	19 680	25 195	1.59	2.12	365	495	1.78	3.01	801	463	1.10	-7.28
OECD²	151 171	158 227	-0.09	0.53	7 063	7 307	-4.57	0.14	29 448	29 337	5.41	1.34
BRICS	56 223	57 350	-0.53	0.83	14 135	15 300	28.88	2.63	4 726	6 294	5.59	2.11

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		FEED (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	294 307	325 909	0.21	1.14	164 872	182 370	0.05	0.97	10.3	11.0	-0.09	0.70
NORTH AMERICA	20 189	18 422	-2.08	-0.05	10 787	10 273	-4.63	-0.21	3.6	3.1	0.18	-0.92
Canada	7 709	7 751	-2.37	-0.17	6 774	6 960	-2.81	-0.15	9.6	6.4	2.85	-1.74
United States	12 480	10 671	-1.91	0.03	4 013	3 312	-7.18	-0.32	2.9	2.7	-0.73	-0.70
LATIN AMERICA	18 263	22 902	0.12	1.55	13 104	16 872	-1.16	1.86	4.0	4.2	-0.03	0.00
Argentina	4 441	5 214	9.64	0.96	2 822	3 153	8.68	1.01	16.4	18.5	1.34	-0.21
Brazil	3 449	3 764	3.37	1.13	2 171	2 349	2.62	1.75	2.8	2.6	0.29	0.14
Chile	700	831	-4.89	1.70	461	571	-7.27	2.03	3.6	4.2	2.13	1.00
Colombia	1 073	1 321	7.31	1.77	720	925	11.54	2.30	1.5	1.4	-0.98	-0.59
Mexico	6 692	9 480	-4.23	2.06	5 975	8 612	-4.72	2.12	5.6	6.0	-0.15	0.38
Paraguay	29	37	-0.96	2.18	22	27	-2.68	2.01	0.0	0.0	..	..
EUROPE	117 867	121 425	-1.17	0.39	87 388	87 301	-0.78	0.09	11.2	10.9	-0.96	-0.04
European Union	83 942	86 895	-0.65	0.38	63 620	62 588	-0.48	-0.10	9.4	9.7	0.09	0.28
Russia	21 722	21 170	-1.31	0.01	15 039	14 932	-0.32	0.10	13.7	11.8	-2.71	-0.56
Ukraine	5 540	5 820	-5.50	1.20	3 691	3 965	-5.02	1.65	17.8	16.3	-2.66	-0.49
AFRICA	54 410	70 326	0.83	2.41	7 281	8 882	-4.29	2.32	32.6	33.8	0.09	0.29
Egypt	970	915	-1.43	-0.28	615	533	-2.38	-0.96	3.1	2.7	-1.56	-1.11
Ethiopia	11 308	16 827	5.52	3.40	600	1 033	10.31	5.96	91.6	109.7	2.48	1.25
Nigeria	8 308	9 678	-7.20	1.59	598	480	-23.69	2.21	39.0	35.2	-1.78	-0.90
South Africa	670	714	2.18	0.42	35	42	-5.41	2.30	4.0	3.6	-1.85	-1.01
ASIA	77 505	86 846	2.99	1.60	42 319	54 868	5.78	2.55	5.5	5.2	-1.55	-0.22
China ¹	21 658	21 907	10.47	2.18	9 879	14 853	32.35	4.81	3.4	3.1	0.71	-0.67
India	17 603	18 712	-1.79	0.89	503	718	4.07	3.89	12.3	11.5	-2.62	-0.27
Indonesia	90	92	5.55	0.69	0	0	..	..	0.3	0.3	4.25	-0.21
Iran	4 907	6 981	5.49	1.88	4 730	6 768	5.74	1.88	0.3	0.3	-1.44	-0.64
Japan	2 227	1 961	-4.81	-1.48	1 625	1 381	-6.59	-1.54	3.6	3.8	0.73	0.49
Kazakhstan	2 508	2 964	3.95	1.76	1 632	1 943	3.79	2.01	2.6	2.3	-1.48	-1.04
Korea	206	248	-1.39	1.05	59	60	-1.42	-0.19	2.9	3.6	-1.76	1.19
Malaysia	0	0	..	..	0	0	..	..	0.0	0.0	..	..
Pakistan	819	1 023	5.66	2.15	195	266	0.00	2.79	3.0	3.0	6.72	0.28
Philippines	37	50	1.07	2.90	29	39	2.04	2.84	0.0	0.0	..	..
Saudi Arabia	10 154	12 476	4.11	2.10	9 958	12 271	4.21	2.13	2.8	2.5	-2.70	-1.00
Thailand	188	209	-0.14	0.85	52	65	-0.44	2.03	1.4	1.4	-0.74	-0.17
Turkey	8 211	9 984	0.76	1.72	7 125	8 859	0.85	1.90	3.7	3.4	-1.21	-0.69
Viet Nam	72	83	5.48	1.37	0	0	..	..	0.0	0.0	..	..
OCEANIA	6 073	5 988	-0.51	-1.22	3 994	4 175	-0.73	-1.53	7.5	7.0	-2.81	-0.29
Australia	5 557	5 523	-0.66	-1.33	3 631	3 807	-0.92	-1.64	9.0	8.0	-4.43	-0.74
New Zealand	428	354	-0.01	-0.40	344	346	0.64	-0.41	1.7	1.6	-1.06	-0.80
DEVELOPED COUNTRIES	152 731	155 264	-1.11	0.29	108 289	108 518	-1.11	0.05	7.6	7.1	-1.01	-0.34
DEVELOPING COUNTRIES	141 576	170 645	1.81	1.97	56 583	73 852	2.55	2.51	11.0	11.8	0.02	0.79
LEAST DEVELOPED COUNTRIES (LDC)	19 529	25 200	2.53	2.42	922	1 149	4.66	2.57	18.6	19.8	0.26	0.54
OECD²	130 283	136 150	-1.10	0.43	95 441	98 614	-1.41	0.18	6.2	6.2	-0.24	-0.01
BRICS	65 102	66 268	1.68	1.00	27 627	32 895	5.45	2.18	7.6	7.2	-1.78	-0.20

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.16.1. Rice projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	498 327	562 323	1.15	1.08	44 911	56 471	5.33	2.13	45 161	54 428	5.81	2.22
NORTH AMERICA	6 266	7 297	-1.04	0.75	1 137	1 272	2.40	1.12	3 425	3 914	0.22	1.38
Canada	0	0	..	..	369	446	0.02	1.98	0	0	..	..
United States	6 266	7 297	-1.04	0.75	767	826	3.70	0.69	3 425	3 914	0.22	1.38
LATIN AMERICA	18 507	21 004	0.47	1.26	4 142	4 466	2.65	0.45	3 228	3 789	4.14	0.82
Argentina	979	1 289	1.13	3.21	8	8	-0.62	0.00	434	681	-2.00	4.74
Brazil	8 019	8 236	-0.62	0.65	630	664	1.93	-1.17	806	872	3.94	-0.06
Chile	104	99	3.30	1.44	142	153	2.00	0.53	2	3	25.61	-0.21
Colombia	1 731	2 237	1.32	1.13	217	0	27.47	-70.24	1	2	15.34	9.89
Mexico	164	145	0.90	-0.70	710	1 044	-2.39	2.21	29	84	2.94	0.00
Paraguay	618	801	22.41	1.45	1	2	6.61	0.23	488	667	25.07	1.63
EUROPE	2 911	2 967	2.59	0.73	1 764	1 874	3.61	0.80	419	475	7.67	1.10
European Union	1 795	1 717	0.37	0.03	1 244	1 339	4.62	1.11	256	251	8.29	0.37
Russia	1 057	1 179	8.82	1.83	216	210	1.35	-0.15	154	212	7.40	2.10
Ukraine	43	52	-10.15	1.13	70	85	1.76	0.98	1	2	-10.25	-0.55
AFRICA	19 846	25 963	3.14	2.33	15 227	24 826	6.14	4.46	598	384	0.44	-3.41
Egypt	4 273	5 015	0.99	1.49	73	34	4.46	1.71	271	144	-3.16	-4.71
Ethiopia	96	128	8.02	2.52	283	538	30.78	5.06	0	0	..	..
Nigeria	3 010	3 813	4.52	1.05	2 490	4 564	3.53	5.69	0	0	..	..
South Africa	2	2	0.00	1.34	853	946	3.57	0.64	0	0	..	..
ASIA	450 342	504 335	1.11	1.02	22 118	23 464	5.82	0.60	37 216	45 310	6.73	2.50
China ¹	142 448	144 540	0.95	0.27	6 133	5 159	45.28	0.37	768	955	1.54	2.71
India	108 005	128 276	1.72	1.57	1	1	28.22	0.41	10 838	12 100	22.54	2.70
Indonesia	45 984	53 682	2.06	1.28	983	415	6.69	1.78	1	1	-0.18	-0.33
Iran	1 789	2 106	3.74	1.47	1 400	1 804	1.12	2.28	1	1	-4.63	-0.17
Japan	7 640	7 610	-0.31	0.10	780	784	-0.10	0.10	96	109	-7.84	1.38
Kazakhstan	300	385	5.73	1.04	22	16	9.51	0.49	70	98	19.10	-0.49
Korea	4 165	3 678	-1.68	-1.10	402	461	4.14	0.70	7	10	1.56	0.00
Malaysia	1 786	2 135	1.91	1.16	908	1 109	-2.30	2.10	41	4	69.78	-0.90
Pakistan	7 022	8 475	1.75	1.37	10	8	-11.60	-0.01	4 022	4 597	2.28	0.97
Philippines	12 086	14 807	1.83	1.42	1 307	1 581	-4.58	2.86	1	1	7.15	-0.20
Saudi Arabia	0	0	..	..	1 350	1 766	0.80	2.51	0	0	..	..
Thailand	20 670	27 489	-0.88	1.84	247	284	-6.08	1.81	10 490	12 869	3.04	3.44
Turkey	548	630	1.93	1.47	259	274	1.55	-1.06	48	43	1.47	1.07
Viet Nam	28 405	32 585	1.47	1.31	537	686	-1.59	2.66	6 968	8 924	2.39	2.57
OCEANIA	455	757	18.58	2.99	523	569	0.07	0.73	275	555	18.55	2.57
Australia	446	747	20.27	3.01	158	152	-4.62	0.13	275	555	18.75	2.58
New Zealand	0	0	..	..	47	57	2.30	1.59	0	0	..	..
DEVELOPED COUNTRIES	17 875	19 417	0.19	0.60	5 186	5 627	2.30	0.78	4 285	5 151	1.18	1.43
DEVELOPING COUNTRIES	480 451	542 906	1.19	1.10	39 725	50 844	5.78	2.29	40 877	49 277	6.40	2.30
LEAST DEVELOPED COUNTRIES (LDC)	74 730	85 983	0.95	1.34	9 762	16 259	8.91	3.18	4 111	5 771	10.97	1.17
OECD²	21 129	21 923	-0.52	0.21	5 160	5 881	1.45	1.00	4 139	4 972	0.97	1.41
BRICS	259 531	282 233	1.23	0.86	7 833	6 981	22.02	0.23	12 567	14 139	17.80	2.50

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.16.2. Rice projections: Consumption, food

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	497 793	563 981	1.47	1.07	54.1	55.2	0.02	0.16
NORTH AMERICA	4 186	4 648	-0.21	0.76	11.7	12.0	-0.97	0.05
Canada	369	446	0.02	1.98	10.2	11.2	-0.99	1.15
United States	3 817	4 202	-0.24	0.64	11.8	12.1	-0.97	-0.06
LATIN AMERICA	19 403	21 659	0.58	1.18	28.5	28.8	-0.64	0.27
Argentina	534	618	4.54	1.69	10.3	11.5	3.74	1.01
Brazil	7 976	8 026	-0.34	0.52	38.4	36.1	-1.24	-0.08
Chile	233	249	2.14	0.83	12.5	12.3	1.03	0.16
Colombia	1 791	2 238	1.68	1.25	33.4	35.6	0.16	0.01
Mexico	828	1 101	-1.96	1.97	6.5	7.7	-3.34	0.90
Paraguay	133	136	16.63	0.75	7.2	6.8	3.18	-0.94
EUROPE	4 084	4 362	2.04	0.64	5.5	5.9	1.94	0.66
European Union	2 716	2 807	1.23	0.45	5.3	5.5	1.06	0.39
Russia	1 003	1 171	5.51	1.22	7.0	8.3	5.43	1.39
Ukraine	117	135	-3.40	1.09	2.6	3.1	-2.76	1.62
AFRICA	34 658	50 189	4.61	3.39	25.0	28.5	2.16	1.22
Egypt	4 034	4 891	1.32	1.76	38.2	38.6	-0.27	0.19
Ethiopia	392	662	21.50	4.50	3.6	4.8	19.35	2.34
Nigeria	5 660	8 350	4.18	3.41	26.5	30.6	1.33	1.19
South Africa	895	948	3.52	0.64	15.7	14.9	2.15	-0.38
ASIA	434 799	482 352	1.30	0.86	77.5	79.1	-0.06	0.15
China ¹	142 413	149 651	1.42	0.26	77.1	77.6	0.07	0.06
India	98 051	115 742	1.20	1.47	68.6	72.8	-0.03	0.44
Indonesia	46 833	53 983	2.35	1.29	134.8	139.2	0.07	0.25
Iran	3 155	3 896	1.90	1.82	35.2	40.5	0.46	1.18
Japan	8 637	8 070	0.31	-0.64	54.0	51.1	-1.13	-0.49
Kazakhstan	236	301	3.12	1.84	11.7	13.6	1.39	1.00
Korea	4 704	4 112	-0.34	-0.94	62.5	55.3	-2.35	-1.12
Malaysia	2 700	3 236	0.77	1.51	81.0	85.1	-0.33	0.28
Pakistan	3 000	3 870	0.98	1.86	12.4	13.2	-0.87	0.22
Philippines	13 364	16 334	1.04	1.60	114.6	117.3	-0.24	0.15
Saudi Arabia	1 390	1 762	2.46	2.47	42.3	45.4	-0.21	1.04
Thailand	13 827	14 865	1.55	0.63	99.4	99.6	-0.10	0.03
Turkey	788	861	2.21	0.65	9.2	9.2	0.49	0.01
Viet Nam	21 991	24 326	1.34	0.94	154.6	157.6	-0.94	0.18
OCEANIA	663	771	2.36	1.04	16.7	16.9	0.79	-0.21
Australia	293	344	2.01	1.14	12.2	12.6	0.50	0.01
New Zealand	47	57	2.30	1.59	10.2	11.3	1.21	0.78
DEVELOPED COUNTRIES	19 123	19 664	0.85	0.20	12.3	12.2	-0.17	-0.08
DEVELOPING COUNTRIES	478 670	544 317	1.49	1.11	63.8	64.3	-0.12	0.05
LEAST DEVELOPED COUNTRIES (LDC)	80 524	96 239	1.48	1.64	79.5	76.5	0.15	-0.36
OECD²	22 722	22 590	0.22	-0.05	14.7	14.1	-1.16	-0.38
BRICS	250 338	275 537	1.30	0.76	66.6	68.6	0.01	0.24

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.17. Main policy assumptions for cereal markets

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ARGENTINA												
Crops export tax	%	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rice export tax	%	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANADA												
Tariff-quotas ¹												
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
EUROPEAN UNION²												
Voluntary coupled support												
Wheat ³	mln EUR	88.9	90.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
Rice ⁴	mln EUR	56.4	55.9	55.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
Cereal reference price ⁵	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 ⁶	bln EUR	41.5	41.6	41.6	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
Rice reference price ⁷	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 ¹	kt	4 452.4	4 513.2	4 523.2	4 523.2	4 523.2	4 523.2	4 523.2	4 523.2	4 523.2	4 523.2	4 523.2
Coarse grain tariff-quota ¹	kt	72.8	78.3	69.0	66.4	61.5	53.1	49.4	44.6	39.9	35.3	29.6
JAPAN												
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
KOREA												
Wheat tariff	%	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Maize tariff-quota	kt	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0	6 102.0
In-quota tariff	%	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Out-of-quota tariff	%	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
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	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
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 ⁸	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
MERCOSUR												
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 ⁹	%	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
MEXICO												
Barley import tariff	%	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UNITED STATES												
ARC participation rate												
Wheat	%	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
Coarse grains	%	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
Wheat loan rate	USD/t	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
Maize loan rate	USD/t	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
CHINA												
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

ANNEX A

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

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
INDIA												
Minimum support price												
Rice	INR/t	14 988	16 361	16 990	17 651	18 341	19 059	19 806	20 585	21 388	22 225	23 095
Wheat	INR/t	15 714	17 375	18 059	18 582	19 103	19 650	20 209	20 828	21 411	22 031	22 673
Wheat tariff	%	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
Rice tariff	%	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
RUSSIA												
Wheat ad valorem import tax	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Rice tariff equivalent of import barriers	%	11.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Coarse grains tariff equivalent of import barriers	%	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse grain specific tariff	RUB/t	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse grain ad valorem import tax	%	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 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. Mainly for durum wheat. Implemented in 6 Member States.
4. Implemented in 6 Member States.
5. 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.
6. 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.
7. Intervention is set at zero tonnes per marketing year. However, the Commission may initiate intervention if market requires.
8. Milled rice basis.
9. Applied by Brazil only.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.18.1. Soybean projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	337 111	406 773	4.85	1.48	144 160	174 935	7.75	1.29	146 781	174 935	7.70	1.29
NORTH AMERICA	121 337	140 613	4.50	1.23	1 022	928	6.04	-0.07	60 417	71 015	6.08	0.89
Canada	6 902	9 523	9.25	1.42	350	250	0.63	-0.02	4 647	6 917	11.27	1.60
United States	114 434	131 090	4.26	1.22	671	678	9.44	-0.09	55 770	64 098	5.73	0.81
LATIN AMERICA	179 002	215 968	5.75	1.57	6 995	7 999	3.75	0.91	82 534	98 522	8.72	1.52
Argentina	56 739	66 379	2.56	1.97	0	0	..	..	13 665	14 379	1.76	2.89
Brazil	105 937	128 878	7.36	1.31	410	410	24.54	0.00	60 089	73 202	11.63	1.26
Chile	0	0	..	..	383	439	9.71	0.75	2	2	0.00	-0.75
Colombia	70	88	0.70	2.00	850	1 251	9.78	2.70	40	15	-13.65	-2.63
Mexico	399	529	14.34	1.50	3 993	4 692	1.83	1.39	0	0	..	..
Paraguay	9 800	12 338	8.32	1.70	0	0	..	..	5 717	7 139	5.47	1.53
EUROPE	10 355	13 225	16.57	1.66	16 607	16 260	2.17	0.16	3 335	4 933	31.42	2.88
European Union	2 520	2 923	14.86	1.33	14 058	13 960	0.96	0.45	138	71	12.44	0.16
Russia	3 367	4 822	19.25	1.96	2 087	1 823	15.81	-1.88	589	1 179	120.30	5.23
Ukraine	4 003	5 014	19.74	1.73	3	4	17.83	0.11	2 601	3 676	29.63	2.28
AFRICA	2 273	2 936	5.53	2.69	3 643	5 283	6.14	1.64	43	52	-13.03	-0.31
Egypt	40	47	3.93	1.56	1 767	2 385	1.82	1.38	0	0	..	..
Ethiopia	70	91	23.48	2.66	25	51	37.91	7.18	0	0	..	..
Nigeria	630	746	-0.69	1.72	0	0	..	..	1	1	-35.89	-4.80
South Africa	1 051	1 472	13.44	3.60	170	350	59.01	3.14	14	24	-18.70	-0.63
ASIA	24 095	33 954	-1.29	1.86	115 892	144 454	9.18	1.44	448	394	0.53	-0.22
China ¹	13 019	19 052	-2.06	1.83	90 742	112 817	9.68	1.52	183	200	-6.46	0.00
India	8 700	11 954	-0.57	2.04	70	60	76.95	-0.86	85	48	8.13	1.62
Indonesia	751	1 023	-1.93	1.39	2 341	2 402	5.66	0.56	2	2	-45.34	-0.05
Iran	178	200	-1.79	1.15	1 946	2 346	15.36	1.02	80	63	71.21	-1.01
Japan	242	272	0.09	1.01	3 226	3 015	-1.05	-0.72	0	0	..	..
Kazakhstan	220	261	11.95	1.35	10	7	-19.92	0.43	0	0	..	..
Korea	96	116	-3.35	0.51	1 327	1 347	1.35	0.38	0	0	..	..
Malaysia	0	0	..	..	807	1 133	5.76	1.26	30	24	10.62	-1.24
Pakistan	4	4	-9.63	1.02	1 533	2 546	30.85	2.36	0	0	..	..
Philippines	1	1	0.00	2.16	130	1 022	11.67	6.97	0	0	..	..
Saudi Arabia	0	0	..	..	600	844	26.58	1.09	0	0	..	..
Thailand	56	67	-14.58	1.68	2 802	3 561	6.97	0.96	13	17	-2.38	-0.95
Turkey	153	192	17.78	2.01	2 450	3 185	9.50	1.87	19	8	-21.08	-1.84
Viet Nam	148	173	-7.63	1.35	1 684	2 005	36.08	1.42	1	1	-2.37	-0.18
OCEANIA	49	77	-2.65	3.29	2	12	-0.46	12.87	5	20	8.66	11.94
Australia	49	77	-2.65	3.29	1	11	-0.84	15.31	5	20	8.66	11.94
New Zealand	0	0	..	..	1	1	0.00	0.00	0	0	..	..
DEVELOPED COUNTRIES	133 257	155 924	5.16	1.29	21 800	21 307	1.87	0.08	63 770	75 991	6.64	1.01
DEVELOPING COUNTRIES	203 854	250 849	4.64	1.61	122 360	153 628	9.15	1.47	83 011	98 944	8.63	1.52
LEAST DEVELOPED COUNTRIES (LDC)	559	680	0.43	1.98	1 339	2 427	39.67	2.40	13	10	1.80	-1.88
OECD²	124 801	144 727	4.65	1.24	27 568	28 662	1.70	0.59	60 580	71 116	6.10	0.89
BRICS	132 073	166 178	5.63	1.46	93 478	115 460	9.87	1.45	60 961	74 652	11.59	1.31

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		DOMESTIC CRUSH (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	332 778	406 445	4.89	1.46	297 540	367 771	4.96	1.54
NORTH AMERICA	59 430	70 516	2.35	1.42	53 924	64 643	1.93	1.54
Canada	2 625	2 856	5.42	0.86	1 896	2 129	5.12	1.17
United States	56 805	67 660	2.23	1.44	52 028	62 514	1.83	1.55
LATIN AMERICA	103 702	125 409	3.70	1.56	95 721	115 904	3.73	1.56
Argentina	43 690	51 996	3.78	1.74	42 686	50 926	3.87	1.77
Brazil	45 924	56 084	2.81	1.37	40 823	49 963	2.80	1.34
Chile	383	437	9.65	0.76	383	437	9.66	0.76
Colombia	890	1 322	8.75	2.80	886	1 322	8.84	2.80
Mexico	4 223	5 221	2.05	1.31	3 988	4 973	2.13	1.35
Paraguay	4 150	5 175	12.88	1.99	3 974	4 915	13.00	1.99
EUROPE	23 675	24 558	4.62	0.41	21 044	22 344	4.60	0.49
European Union	16 520	16 816	2.35	0.57	14 425	15 125	1.94	0.68
Russia	4 815	5 469	16.06	0.01	4 726	5 390	15.85	0.02
Ukraine	1 421	1 341	11.65	0.40	1 280	1 200	14.22	0.37
AFRICA	5 793	8 157	6.30	2.04	5 092	7 190	6.80	1.91
Egypt	1 797	2 430	2.06	1.39	1 791	2 420	2.03	1.39
Ethiopia	94	142	25.77	4.08	59	94	27.54	4.62
Nigeria	634	745	-0.02	1.73	317	298	0.07	-0.44
South Africa	1 153	1 793	18.22	3.58	1 055	1 653	18.46	3.74
ASIA	140 131	177 735	7.20	1.53	121 718	157 627	7.79	1.67
China ¹	104 144	131 419	8.39	1.57	89 764	115 839	9.15	1.74
India	8 818	11 961	-0.63	2.03	7 213	9 847	-1.94	2.00
Indonesia	3 127	3 422	3.69	0.80	2 420	2 709	5.39	0.98
Iran	2 021	2 481	11.59	1.10	2 014	2 473	11.90	1.10
Japan	3 443	3 290	-1.28	-0.60	2 678	2 541	-1.14	-0.73
Kazakhstan	233	268	9.83	1.39	122	131	5.31	0.70
Korea	1 414	1 463	0.87	0.39	1 004	1 036	1.61	0.49
Malaysia	777	1 108	5.40	1.40	777	1 108	5.40	1.40
Pakistan	1 497	2 546	29.94	2.40	1 497	2 546	30.03	2.40
Philippines	134	1 023	12.48	6.96	130	1 022	12.12	6.97
Saudi Arabia	598	844	26.47	1.10	598	844	26.47	1.10
Thailand	2 842	3 609	5.76	1.01	2 820	3 609	6.30	1.01
Turkey	2 651	3 365	9.22	1.92	2 550	3 262	9.45	1.95
Viet Nam	1 805	2 172	21.17	1.42	1 732	2 097	27.34	1.48
OCEANIA	47	70	-3.05	2.70	41	64	-3.37	3.00
Australia	46	69	-3.10	2.75	41	64	-3.37	3.00
New Zealand	1	1	0.00	0.00	0	0	..	..
DEVELOPED COUNTRIES	88 725	101 232	2.87	1.12	79 603	92 111	2.58	1.23
DEVELOPING COUNTRIES	244 053	305 213	5.72	1.57	217 936	275 660	5.97	1.64
LEAST DEVELOPED COUNTRIES (LDC)	1 864	3 095	15.98	2.36	1 601	2 756	22.08	2.24
OECD²	89 199	102 265	2.31	1.18	80 062	93 150	2.02	1.30
BRICS	164 854	206 726	6.16	1.51	143 581	182 693	6.46	1.60

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	146 793	172 994	3.10	1.55	20 134	23 758	4.33	1.15	20 150	23 758	4.57	1.15
NORTH AMERICA	24 322	26 787	5.63	0.67	949	1 163	0.00	0.36	11 669	13 182	5.07	0.64
Canada	19 824	22 000	6.24	0.69	246	251	-1.74	0.10	10 975	12 143	5.26	0.74
United States	4 498	4 787	3.31	0.58	703	912	0.73	0.44	694	1 039	2.44	-0.41
LATIN AMERICA	5 871	7 723	1.97	1.93	1 703	2 075	1.66	1.83	1 075	1 187	7.30	1.65
Argentina	4 356	5 906	2.58	2.04	1	1	-8.96	0.00	884	936	11.94	1.64
Brazil	433	553	2.98	2.12	5	5	-9.50	0.00	68	62	8.24	0.31
Chile	88	105	0.87	1.53	14	9	-5.87	-3.22	3	4	-1.24	2.05
Colombia	2	3	0.00	1.92	7	7	0.00	-0.02	0	0	..	..
Mexico	112	115	4.16	0.51	1 651	2 037	1.94	1.91	3	3	12.70	0.00
Paraguay	255	308	-0.59	1.46	0	0	..	..	32	55	-11.10	3.49
EUROPE	58 624	70 276	3.65	1.94	5 765	4 750	4.19	-0.65	2 946	4 590	-1.55	3.59
European Union	29 770	30 390	1.58	0.34	5 472	4 470	4.03	-0.73	660	666	1.09	-1.31
Russia	11 825	13 922	6.64	2.22	194	169	7.71	0.69	236	141	3.80	-0.68
Ukraine	15 233	23 642	6.46	4.31	31	33	11.07	-0.16	1 537	2 960	-4.62	5.66
AFRICA	8 185	9 946	1.87	1.75	373	402	6.49	0.16	158	176	-5.10	-2.96
Egypt	152	185	-0.50	1.83	71	88	9.58	1.57	8	5	-9.65	-1.40
Ethiopia	26	32	0.00	2.34	0	0	..	..	0	0	..	..
Nigeria	2 120	2 701	0.47	2.07	0	0	..	..	42	62	-11.84	-4.93
South Africa	940	1 078	1.17	1.20	57	19	5.73	-6.87	4	0	-31.90	..
ASIA	46 509	54 369	1.52	1.50	11 320	15 342	5.21	1.77	1 938	1 701	11.22	0.31
China ¹	29 178	32 280	2.19	1.03	4 618	8 036	10.80	3.47	631	627	2.85	-0.13
India	10 726	13 974	-0.74	2.56	262	270	6.25	-4.94	532	300	13.00	2.59
Indonesia	647	745	-1.97	1.15	256	246	3.96	-0.74	1	1	-2.74	0.06
Iran	252	242	-1.33	-0.47	209	410	52.26	2.66	1	1	0.00	-0.24
Japan	23	26	1.60	0.92	2 508	2 516	0.85	0.06	0	0	..	..
Kazakhstan	827	1 138	11.97	2.43	7	7	-11.62	0.06	293	281	35.05	-0.05
Korea	13	13	2.60	0.00	31	31	-0.80	0.08	0	0	..	..
Malaysia	5	6	3.32	1.30	44	46	2.40	0.69	3	3	2.12	-0.68
Pakistan	852	967	0.01	1.54	1 174	1 287	6.79	1.37	2	5	-30.09	-0.12
Philippines	20	23	0.55	1.26	61	69	2.56	1.22	0	0	..	..
Saudi Arabia	3	3	0.00	-0.22	4	4	0.00	0.91	0	0	..	..
Thailand	90	107	-0.27	1.47	53	44	5.58	-2.34	4	4	11.45	1.71
Turkey	1 753	2 302	8.40	1.75	720	764	-0.97	-1.57	50	55	9.56	0.88
Viet Nam	335	382	-0.66	1.37	26	29	123.61	0.22	40	43	4.98	-0.22
OCEANIA	3 281	3 892	5.86	0.64	25	25	-0.54	0.00	2 363	2 921	9.21	0.70
Australia	3 269	3 879	5.89	0.64	21	20	1.04	0.00	2 363	2 921	9.21	0.70
New Zealand	10	10	0.00	0.00	4	4	-5.19	0.00	0	0	..	..
DEVELOPED COUNTRIES	88 203	103 424	4.26	1.54	9 565	8 764	2.90	-0.30	17 305	21 007	4.13	1.21
DEVELOPING COUNTRIES	58 590	69 570	1.52	1.58	10 569	14 994	5.67	2.09	2 845	2 750	7.68	0.67
LEAST DEVELOPED COUNTRIES (LDC)	5 356	6 467	1.92	1.77	143	289	-4.65	6.28	85	91	6.83	-2.22
OECD²	59 502	63 778	3.49	0.54	11 527	11 145	2.24	-0.05	14 764	16 854	5.39	0.57
BRICS	53 103	61 807	2.33	1.63	5 134	8 499	10.21	2.95	1 470	1 131	5.14	0.46

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		DOMESTIC CRUSH (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	147 068	172 955	3.20	1.54	124 603	148 768	3.41	1.64
NORTH AMERICA	13 732	14 778	6.02	0.67	11 572	12 492	6.66	0.67
Canada	9 281	10 113	7.87	0.61	8 778	9 670	7.73	0.60
United States	4 451	4 664	3.03	0.80	2 794	2 821	4.09	0.89
LATIN AMERICA	6 499	8 610	0.90	1.95	6 025	8 026	0.80	1.97
Argentina	3 477	4 971	0.40	2.11	3 354	4 801	0.13	2.12
Brazil	370	495	2.00	2.45	307	409	1.46	2.36
Chile	99	109	-0.29	1.04	91	99	-0.40	0.98
Colombia	9	10	0.00	0.49	8	8	0.00	0.61
Mexico	1 758	2 149	2.05	1.83	1 638	2 028	2.39	1.93
Paraguay	223	253	3.97	1.15	186	207	4.16	0.93
EUROPE	61 408	70 429	4.20	1.62	56 245	64 832	4.39	1.69
European Union	34 442	34 195	2.10	0.16	31 819	31 556	2.16	0.16
Russia	11 863	13 950	6.82	2.25	11 242	13 113	7.47	2.21
Ukraine	13 720	20 707	9.10	4.13	12 477	19 353	9.21	4.41
AFRICA	8 430	10 170	2.32	1.79	4 621	5 374	2.98	1.33
Egypt	216	268	2.53	1.82	133	159	4.02	1.28
Ethiopia	26	32	0.00	2.34	17	23	0.00	2.90
Nigeria	2 083	2 638	0.88	2.28	729	904	0.88	1.94
South Africa	1 017	1 096	2.30	0.96	917	988	2.41	0.95
ASIA	56 057	67 972	2.07	1.60	45 264	57 116	2.10	1.81
China ¹	33 410	39 690	3.21	1.50	26 027	32 842	3.20	1.83
India	10 321	13 911	-0.90	2.34	8 975	12 276	-0.82	2.46
Indonesia	911	990	-0.55	0.65	302	385	2.87	1.38
Iran	458	651	6.77	1.41	431	624	7.45	1.45
Japan	2 531	2 542	0.70	0.07	2 505	2 522	0.74	0.09
Kazakhstan	549	861	5.49	3.44	424	682	4.98	3.82
Korea	44	44	-0.15	0.06	39	40	-0.07	0.06
Malaysia	46	50	2.51	0.84	45	48	2.44	0.78
Pakistan	2 057	2 248	3.88	1.44	1 882	2 032	4.04	1.34
Philippines	80	92	2.13	1.24	68	78	2.39	1.34
Saudi Arabia	7	7	0.00	0.47	5	5	0.00	0.45
Thailand	140	146	1.38	0.16	84	94	2.96	0.67
Turkey	2 434	3 009	4.87	0.86	2 232	2 761	4.51	0.79
Viet Nam	321	367	-0.37	1.50	203	226	0.33	1.21
OCEANIA	943	995	0.66	0.45	876	928	0.34	0.49
Australia	927	979	0.71	0.46	865	916	0.35	0.49
New Zealand	14	14	-2.23	0.00	11	11	0.00	0.00
DEVELOPED COUNTRIES	80 590	91 179	4.31	1.40	72 895	82 854	4.51	1.47
DEVELOPING COUNTRIES	66 478	81 776	1.97	1.70	51 708	65 914	2.00	1.86
LEAST DEVELOPED COUNTRIES (LDC)	5 420	6 665	1.69	2.00	3 101	3 756	2.24	1.77
OECD²	56 265	58 078	2.96	0.39	50 928	52 546	3.03	0.38
BRICS	56 982	69 142	2.94	1.81	47 468	59 628	3.12	2.03

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	326 717	400 370	4.24	1.56	85 224	101 994	3.29	1.54	87 419	101 994	3.66	1.54
NORTH AMERICA	53 140	62 631	2.57	1.39	4 643	5 297	6.77	1.93	15 637	19 255	5.15	1.73
Canada	6 508	7 157	7.14	0.73	792	728	-4.69	-0.23	4 653	5 094	10.40	0.66
United States	46 633	55 474	2.06	1.47	3 851	4 569	11.46	2.32	10 985	14 161	3.56	2.16
LATIN AMERICA	80 105	97 724	3.68	1.61	9 318	11 943	3.72	2.38	51 698	60 833	4.12	1.67
Argentina	35 302	42 496	3.67	1.80	0	0	..	..	31 475	38 189	4.24	1.91
Brazil	33 353	41 300	3.02	1.42	5	5	-32.13	0.00	15 705	18 182	2.51	1.52
Chile	353	401	7.57	0.79	1 131	1 445	4.31	2.70	1	1	-27.58	-0.24
Colombia	844	1 226	6.84	2.73	1 335	1 827	11.26	2.73	113	69	7.40	-2.65
Mexico	4 333	5 292	2.47	1.45	2 175	2 821	5.13	2.63	20	20	4.41	0.00
Paraguay	3 213	3 938	12.37	1.96	2	2	-5.18	-0.05	2 559	2 928	17.05	1.91
EUROPE	44 046	48 468	3.98	1.10	27 961	27 038	-0.09	-0.79	7 534	9 598	7.62	3.39
European Union	29 210	29 586	2.02	0.35	26 198	24 919	-0.14	-0.90	1 063	871	4.40	-2.86
Russia	7 600	8 760	9.21	1.10	399	397	-4.22	-0.57	1 536	1 905	7.61	2.52
Ukraine	6 555	9 550	9.96	3.93	37	46	-10.78	-1.36	4 590	6 583	9.27	5.37
AFRICA	7 855	10 420	5.18	1.79	6 150	8 520	7.66	3.97	493	285	-0.81	-4.71
Egypt	1 519	2 078	1.46	1.53	1 751	2 384	17.04	5.14	5	5	12.37	-0.49
Ethiopia	99	129	13.42	2.53	0	0	..	..	0	0	..	..
Nigeria	922	1 047	1.41	1.28	353	526	32.88	2.31	179	132	6.22	-2.26
South Africa	1 269	1 783	10.96	2.93	933	1 075	-2.14	1.85	23	22	-16.55	-0.57
ASIA	140 525	179 636	5.33	1.69	34 202	45 382	5.04	2.41	11 957	11 924	-0.96	-0.41
China ¹	87 689	111 479	7.10	1.71	1 449	2 389	-0.43	1.60	1 475	1 575	3.41	4.03
India	16 113	21 755	-0.42	2.25	314	405	25.41	0.47	1 623	1 970	-13.80	-1.13
Indonesia	6 848	8 313	5.75	1.60	4 397	4 971	6.71	1.09	4 433	4 187	6.06	-1.08
Iran	1 863	2 320	10.34	1.07	1 667	2 608	0.73	3.89	40	44	-14.51	-1.41
Japan	3 570	3 467	-0.40	-0.41	1 869	1 782	-1.49	-0.78	0	0	..	..
Kazakhstan	334	448	2.99	2.26	5	5	-2.53	0.25	92	118	-6.75	1.78
Korea	890	915	2.01	0.43	3 221	3 324	0.09	0.39	83	80	14.53	0.00
Malaysia	3 223	4 151	1.51	1.43	1 373	1 450	4.95	-0.01	2 548	2 725	1.44	0.01
Pakistan	3 816	5 283	4.32	1.75	634	2 405	4.98	13.33	286	62	9.22	-11.81
Philippines	925	1 803	-0.38	3.76	2 906	3 467	8.21	1.65	365	334	-3.22	-1.62
Saudi Arabia	475	669	122.77	1.09	1 080	1 424	11.99	2.72	57	43	31.20	-2.64
Thailand	2 675	3 463	7.12	1.22	3 179	4 281	1.89	2.77	9	12	2.45	-0.26
Turkey	3 696	4 763	6.89	1.69	2 088	2 978	11.78	2.29	126	89	18.13	-1.58
Viet Nam	1 530	1 885	23.27	1.65	5 628	9 072	9.53	4.22	77	42	32.37	-3.71
OCEANIA	1 046	1 492	2.98	4.12	2 950	3 814	8.12	2.12	99	98	0.50	0.97
Australia	902	1 321	3.26	4.49	787	918	3.98	0.30	28	29	0.75	0.00
New Zealand	8	8	0.00	0.00	2 152	2 886	10.16	2.79	10	0	21.04	..
DEVELOPED COUNTRIES	104 601	119 572	3.05	1.26	39 048	39 958	1.01	-0.07	23 344	29 032	5.71	2.25
DEVELOPING COUNTRIES	222 116	280 798	4.85	1.69	46 176	62 036	5.59	2.72	64 075	72 962	3.00	1.27
LEAST DEVELOPED COUNTRIES (LDC)	3 807	5 432	7.36	2.06	758	959	9.61	2.98	219	93	-0.17	-7.80
OECD²	96 471	108 764	2.42	1.06	45 165	47 418	1.63	0.23	17 156	20 407	5.08	1.39
BRICS	146 024	185 076	5.15	1.69	3 100	4 272	-1.10	1.32	20 361	23 654	0.32	1.49

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.20.2. Protein meal projections: Consumption

Marketing year

	CONSUMPTION (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27
WORLD	324 656	400 216	4.24	1.56
NORTH AMERICA	42 141	48 674	2.12	1.31
Canada	2 653	2 791	-0.39	0.60
United States	39 488	45 883	2.31	1.36
LATIN AMERICA	37 732	48 812	3.40	1.72
Argentina	3 861	4 308	3.97	0.92
Brazil	17 498	23 122	2.90	1.35
Chile	1 516	1 844	5.59	2.25
Colombia	2 073	2 980	9.37	2.90
Mexico	6 487	8 093	3.29	1.85
Paraguay	669	993	5.85	2.07
EUROPE	64 479	65 836	1.76	0.02
European Union	54 345	53 613	0.89	-0.18
Russia	6 436	7 259	8.27	0.66
Ukraine	2 041	2 957	11.40	1.19
AFRICA	13 472	18 641	6.60	2.88
Egypt	3 242	4 453	7.47	3.30
Ethiopia	99	129	13.42	2.54
Nigeria	1 096	1 440	5.30	2.07
South Africa	2 185	2 834	4.23	2.52
ASIA	162 903	213 045	6.01	1.97
China ¹	87 632	112 293	7.17	1.68
India	14 758	20 208	3.16	2.60
Indonesia	6 818	9 093	6.12	2.79
Iran	3 572	4 884	5.69	2.51
Japan	5 442	5 249	-0.89	-0.53
Kazakhstan	247	334	9.24	2.44
Korea	4 038	4 159	0.20	0.40
Malaysia	2 069	2 854	3.42	2.13
Pakistan	4 147	7 615	3.97	4.56
Philippines	3 471	4 932	6.75	2.65
Saudi Arabia	1 482	2 048	17.63	2.29
Thailand	5 851	7 730	4.18	2.05
Turkey	5 665	7 647	8.58	1.98
Viet Nam	7 176	10 907	12.11	3.76
OCEANIA	3 929	5 207	6.77	2.68
Australia	1 683	2 210	3.71	2.60
New Zealand	2 159	2 894	9.96	2.79
DEVELOPED COUNTRIES	120 346	130 425	1.93	0.64
DEVELOPING COUNTRIES	204 310	269 791	5.83	2.04
LEAST DEVELOPED COUNTRIES (LDC)	4 343	6 297	8.28	2.45
OECD²	124 559	135 748	1.82	0.73
BRICS	128 509	165 717	5.99	1.70

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.

2. Excludes Iceland but includes all EU28 member countries.

3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	189 591	234 643	4.11	1.67	77 894	96 262	4.08	1.85	76 710	96 262	3.75	1.85
NORTH AMERICA	17 057	19 399	3.75	1.23	4 695	5 139	4.11	0.46	4 584	6 026	3.17	1.95
Canada	4 265	4 548	7.83	0.65	282	285	-2.33	0.00	3 147	3 475	6.89	0.37
United States	12 792	14 851	2.68	1.41	4 414	4 854	4.67	0.49	1 437	2 551	-2.15	4.60
LATIN AMERICA	25 557	31 977	3.82	1.81	4 686	4 795	4.23	-0.10	10 711	13 599	3.05	3.01
Argentina	9 226	11 387	3.21	1.92	18	20	6.27	0.00	5 815	7 601	0.92	3.75
Brazil	8 641	10 720	2.42	1.47	501	515	4.65	0.00	1 458	2 142	-2.30	4.78
Chile	104	117	5.15	0.83	444	536	6.04	1.83	1	1	-5.39	-0.28
Colombia	1 719	2 387	7.70	2.44	740	650	12.28	-1.99	621	809	15.47	2.03
Mexico	1 788	2 176	2.71	1.56	1 006	1 088	6.11	0.68	36	36	1.41	0.00
Paraguay	789	966	11.52	1.91	13	11	-0.17	-1.61	671	803	17.90	1.64
EUROPE	27 643	31 668	4.44	1.59	13 045	11 740	2.67	-0.75	9 882	13 406	11.56	3.31
European Union	16 119	16 140	2.14	0.25	10 891	9 693	2.77	-0.78	1 778	1 722	10.50	0.41
Russia	5 400	6 307	8.24	1.96	1 036	1 048	3.15	0.00	2 487	3 221	16.29	3.28
Ukraine	5 831	8 907	9.41	4.29	260	169	-6.61	-4.03	5 372	8 161	10.77	4.20
AFRICA	6 791	8 408	3.33	1.76	10 162	14 174	5.15	3.13	1 148	898	-0.58	-2.69
Egypt	404	555	1.03	1.67	2 023	2 634	3.46	2.30	171	136	-5.09	-2.25
Ethiopia	40	48	9.84	1.69	490	940	30.54	5.87	0	0	..	..
Nigeria	1 719	2 079	1.60	1.88	1 454	2 297	8.22	4.31	53	47	-7.91	-2.57
South Africa	536	674	6.17	2.14	841	944	2.17	1.16	36	20	-14.61	-1.13
ASIA	111 303	141 626	4.23	1.71	44 957	60 085	4.27	2.49	49 565	61 283	2.98	1.39
China ¹	27 066	34 018	5.87	1.70	8 207	7 101	-1.78	-1.63	173	163	-4.41	0.51
India	8 118	10 924	-0.05	2.32	15 511	25 936	8.50	4.68	65	59	-3.80	-0.82
Indonesia	40 559	51 538	6.61	1.80	78	71	0.93	0.04	28 214	35 763	5.79	1.65
Iran	557	714	9.37	1.09	1 287	1 689	0.49	1.87	118	137	-1.74	-1.84
Japan	1 553	1 534	0.60	-0.17	831	924	1.63	0.40	4	4	10.15	0.00
Kazakhstan	239	360	3.74	3.05	108	116	2.01	-0.64	47	52	31.11	0.65
Korea	233	239	1.93	0.40	1 010	1 023	4.42	-0.79	3	3	-9.24	0.00
Malaysia	21 360	27 123	1.27	1.44	1 276	1 110	-5.31	-1.33	17 990	22 198	0.01	1.35
Pakistan	1 851	2 404	2.39	1.55	3 210	4 469	6.22	2.59	88	61	-2.00	-2.47
Philippines	1 627	2 134	-1.07	2.14	1 134	1 488	13.42	1.49	807	751	-2.40	-1.47
Saudi Arabia	110	154	77.48	1.09	627	877	10.45	3.07	1	1	-28.73	-0.41
Thailand	2 970	4 109	6.26	2.17	315	264	19.87	-1.56	172	265	-7.53	1.52
Turkey	1 758	2 266	5.69	1.39	1 660	1 605	8.50	0.14	629	636	13.28	-0.14
Viet Nam	566	753	16.71	2.34	956	1 482	6.08	3.99	155	109	33.46	-3.83
OCEANIA	1 240	1 565	1.55	2.23	349	328	4.88	-0.81	820	1 051	1.98	2.13
Australia	471	614	2.25	3.05	219	197	7.06	-1.26	155	223	7.14	3.70
New Zealand	5	5	0.00	0.00	96	103	3.38	0.39	0	0	..	..
DEVELOPED COUNTRIES	48 338	55 160	3.95	1.42	20 260	19 611	3.05	-0.28	14 768	19 797	8.16	2.86
DEVELOPING COUNTRIES	141 253	179 482	4.17	1.75	57 635	76 651	4.47	2.48	61 941	76 465	2.90	1.61
LEAST DEVELOPED COUNTRIES (LDC)	3 020	3 888	3.52	1.97	5 973	9 039	7.07	3.63	409	287	4.76	-3.77
OECD²	39 337	42 744	2.92	0.83	21 521	20 964	3.84	-0.21	7 296	8 757	5.39	1.47
BRICS	49 762	62 643	4.27	1.79	26 096	35 544	3.83	2.74	4 219	5 605	4.76	3.66

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	191 590	234 515	4.48	1.65	20.6	23.1	2.69	0.98
NORTH AMERICA	17 123	18 512	3.99	0.75	39.0	39.4	1.67	0.44
Canada	1 310	1 358	5.42	0.66	31.3	27.6	2.16	0.16
United States	15 814	17 154	3.87	0.76	39.9	40.7	1.64	0.46
LATIN AMERICA	19 563	23 169	4.56	0.72	20.9	21.7	1.11	0.02
Argentina	3 435	3 805	8.40	-1.02	18.7	19.0	-0.03	0.15
Brazil	7 649	9 093	3.93	0.62	23.8	23.4	0.04	-0.82
Chile	546	652	5.93	1.65	29.9	33.1	4.99	0.99
Colombia	1 842	2 226	7.29	1.11	24.6	27.3	5.08	0.67
Mexico	2 772	3 228	3.90	1.27	21.7	22.4	2.44	0.21
Paraguay	133	174	-2.22	2.96	19.4	22.4	-3.52	1.85
EUROPE	30 744	30 058	2.09	-0.12	24.8	25.2	1.49	0.34
European Union	25 176	24 170	1.99	-0.27	25.9	25.6	1.08	0.13
Russia	3 908	4 134	3.65	0.31	27.2	29.1	3.57	0.47
Ukraine	756	911	-3.16	2.95	16.2	20.9	-2.89	3.57
AFRICA	15 896	21 665	4.94	2.90	12.3	13.0	2.40	0.59
Egypt	2 296	3 049	4.50	2.45	23.0	25.6	2.87	0.87
Ethiopia	534	989	26.22	5.63	5.1	7.4	22.96	3.36
Nigeria	3 145	4 326	4.82	3.19	14.1	15.2	2.27	1.08
South Africa	1 344	1 598	4.81	1.60	23.3	24.7	3.50	0.60
ASIA	107 489	140 269	5.27	2.19	20.6	25.0	3.69	1.58
China ¹	35 611	40 957	4.53	1.00	25.4	28.4	3.97	0.79
India	23 868	36 782	5.16	3.93	17.3	24.2	3.74	3.06
Indonesia	12 246	15 777	9.14	2.16	24.0	29.1	4.48	1.50
Iran	1 698	2 261	2.81	1.90	21.0	25.6	1.59	1.15
Japan	2 404	2 454	0.85	-0.02	18.8	19.9	0.95	0.33
Kazakhstan	290	423	1.30	2.34	15.8	20.9	-0.28	1.48
Korea	1 237	1 260	4.01	-0.57	12.9	13.0	-1.32	-0.08
Malaysia	4 730	6 008	3.72	1.45	29.1	32.9	2.01	0.96
Pakistan	4 993	6 806	4.88	2.27	24.8	28.1	2.82	0.59
Philippines	1 955	2 866	6.24	3.01	12.2	16.4	6.36	2.11
Saudi Arabia	730	1 029	13.54	2.77	19.5	24.1	11.35	1.59
Thailand	3 171	4 105	9.16	1.95	16.4	24.2	7.37	3.24
Turkey	2 801	3 234	6.07	1.10	29.9	32.2	4.25	0.50
Viet Nam	1 363	2 122	8.08	3.97	14.3	20.3	6.85	3.08
OCEANIA	776	842	2.96	1.06	19.3	18.1	1.07	-0.19
Australia	543	588	3.51	1.20	22.5	21.5	1.98	0.07
New Zealand	101	108	3.20	0.38	21.7	21.1	2.10	-0.43
DEVELOPED COUNTRIES	53 747	55 029	2.67	0.27	27.1	27.7	1.55	0.41
DEVELOPING COUNTRIES	137 843	179 486	5.26	2.11	19.0	22.1	3.21	1.18
LEAST DEVELOPED COUNTRIES (LDC)	8 623	12 628	5.87	3.33	10.6	12.1	3.45	1.09
OECD²	53 517	55 009	2.98	0.28	28.0	28.5	1.64	0.35
BRICS	72 380	92 562	4.62	2.00	21.9	26.2	3.47	1.46

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.22. Main policy assumptions for oilseed markets

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ARGENTINA												
Export tax												
Soybean	%	30.2	21.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Other oilseeds	%	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soybean meal	%	27.3	18.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Soybean oil	%	27.3	18.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
AUSTRALIA												
Tariffs												
Soybean oil	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Rapeseed oil	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
CANADA												
Tariffs												
Rapeseed oil	%	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
EUROPEAN UNION¹												
Voluntary coupled support												
Soybean	mln EUR	146	23	24	25	25	25	26	26	26	27	27
Tariffs												
Soybean oil	%	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Rapeseed oil	%	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
JAPAN												
New output payments												
Soybean	JPY/kg	168.5	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
Tariffs												
Soybean oil	JPY/kg	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Rapeseed oil	JPY/kg	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
KOREA												
Soybean tariff-quota	kt	1 032	1 032	1 032	1 032	1 032	1 032	1 032	1 032	1 032	1 032	1 032
In-quota tariff	%	5	5	5	5	5	5	5	5	5	5	5
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	131
MEXICO												
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
UNITED STATES												
ARC participation rate												
Soybean	%	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
Soybean loan rate	USD/t	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7
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	%	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Rapeseed 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
CHINA												
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
INDIA												
Soybean tariff	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
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	%	10.8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
INDONESIA												
Protein meal tariff	%	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
PAKISTAN												
Protein meal tariff	%	10.7	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
VIET NAM												
Protein meal tariff	%	0.7	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 2015-17est: Data for 2017 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%).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.23.1. Sugar projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	170 736	204 724	2.05	1.50	54 721	60 797	2.40	1.63	60 685	66 762	2.63	1.47
NORTH AMERICA	7 687	8 547	2.00	0.76	3 895	4 423	-0.31	1.67	92	75	-13.01	0.00
Canada	91	99	2.91	0.62	1 131	1 201	-0.39	0.70	30	30	-9.82	0.00
United States	7 596	8 448	1.99	0.77	2 764	3 222	-0.28	2.05	62	45	-14.40	0.00
LATIN AMERICA	59 291	67 347	1.00	1.84	2 022	1 703	-2.36	-0.98	35 106	39 072	1.31	2.14
Argentina	2 060	2 730	-0.06	2.73	0	0	..	..	421	733	-1.18	6.24
Brazil	38 198	41 824	0.42	1.86	0	0	0.00	..	27 508	29 907	0.80	2.08
Chile	242	291	-0.95	1.02	536	596	0.99	1.16	0	0	0.00	..
Colombia	2 196	2 871	0.36	2.28	102	36	-11.32	-3.95	451	687	-7.14	4.12
Mexico	6 023	6 743	2.92	1.18	12	10	-32.21	0.01	1 510	1 746	7.00	1.66
Paraguay	160	221	2.13	3.08	26	6	-15.29	-6.15	58	69	-5.34	6.55
EUROPE	25 992	29 243	2.78	0.03	3 313	2 162	-9.17	-0.22	2 995	4 575	4.89	1.09
European Union	17 305	18 975	1.63	-0.56	2 205	1 447	-5.85	0.78	1 813	2 512	1.90	-1.22
Russia	5 886	6 823	7.64	1.28	327	78	-22.83	-9.86	348	888	13.41	6.08
Ukraine	1 875	2 291	2.22	1.13	24	0	-33.92	..	409	654	72.13	7.09
AFRICA	10 858	14 717	2.57	2.42	12 259	16 441	4.13	2.58	4 062	3 775	3.19	-1.17
Egypt	2 500	3 680	5.16	3.09	1 053	1 249	-0.14	1.12	190	137	4.12	-1.11
Ethiopia	511	749	8.99	2.03	86	79	-5.11	3.05	107	121	13.79	-3.21
Nigeria	45	89	2.67	2.94	1 553	2 282	5.26	3.46	0	0	..	..
South Africa	1 722	2 234	-2.31	1.70	335	195	-2.71	-2.21	143	221	-19.00	2.25
ASIA	61 961	78 777	2.72	1.75	32 862	35 660	4.60	1.48	14 360	14 422	6.07	0.79
China ¹	9 546	13 428	-2.61	1.85	6 209	6 757	21.35	2.22	95	90	1.10	3.57
India	23 775	30 742	3.71	1.78	1 816	1 993	1.46	1.83	2 390	1 410	11.67	-2.17
Indonesia	2 225	2 489	-0.52	1.19	4 992	5 906	10.04	2.32	0	0	..	..
Iran	1 630	2 210	9.89	2.57	821	446	-10.13	-5.83	8	0	23.82	..
Japan	715	719	-1.28	0.16	1 370	1 331	0.95	-0.61	4	5	14.46	0.00
Kazakhstan	20	30	-2.33	1.60	488	527	3.30	0.49	10	9	4.55	-0.49
Korea	0	0	..	..	1 944	2 144	2.38	0.67	348	350	1.17	-0.33
Malaysia	8	21	-11.97	3.50	1 982	2 295	3.03	1.43	210	85	-0.79	-1.41
Pakistan	6 559	7 177	8.74	3.27	18	11	-33.44	-2.85	788	426	31.34	12.39
Philippines	2 214	2 443	1.41	0.72	122	498	29.15	10.05	162	73	-6.92	-9.93
Saudi Arabia	0	0	..	..	1 565	1 889	2.96	1.72	305	269	1.66	-1.69
Thailand	10 540	13 516	4.84	1.16	0	0	..	..	7 755	10 351	4.91	1.36
Turkey	2 280	2 634	-0.08	0.61	113	1	44.85	-34.75	8	15	-13.19	4.79
Viet Nam	1 460	2 212	6.13	3.28	226	31	5.04	-11.54	105	269	-2.09	12.93
OCEANIA	4 948	6 092	2.15	1.11	369	408	1.78	0.33	4 071	4 842	3.10	1.04
Australia	4 716	5 785	2.16	1.08	95	120	5.15	0.00	3 878	4 611	3.20	1.05
New Zealand	0	0	..	..	244	256	0.61	0.65	21	20	0.86	0.00
DEVELOPED COUNTRIES	40 982	46 747	2.22	0.37	11 810	11 175	-2.93	0.76	7 476	9 637	1.99	1.05
DEVELOPING COUNTRIES	129 754	157 977	2.00	1.86	42 911	49 621	4.43	1.83	53 210	57 125	2.76	1.54
LEAST DEVELOPED COUNTRIES (LDC)	3 103	3 951	4.47	1.93	7 073	8 430	7.25	2.60	2 603	1 300	9.13	-3.08
OECD²	39 212	43 993	1.73	0.26	11 205	11 268	-1.02	0.94	7 684	9 345	2.67	0.45
BRICS	79 127	95 051	1.20	1.78	8 688	9 022	4.00	1.81	30 484	32 516	0.90	1.95

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

Sugar data are expressed on a tel quel basis.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.23.2. Sugar projections: Consumption, food

Marketing year

	CONSUMPTION (kt)		Growth (%) ³		PER CAPITA (kg)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	167 118	197 870	1.66	1.48	22.3	23.7	0.47	0.51
NORTH AMERICA	11 416	12 871	1.16	1.07	31.8	33.2	0.38	0.35
Canada	1 175	1 263	-0.09	0.73	32.4	31.8	-1.11	-0.09
United States	10 241	11 608	1.31	1.11	31.8	33.4	0.56	0.40
LATIN AMERICA	26 660	29 906	0.04	1.07	41.8	42.6	-1.09	0.21
Argentina	1 658	1 983	0.23	1.69	37.8	41.1	-0.80	0.84
Brazil	11 038	11 952	-1.10	0.82	53.2	53.7	-1.99	0.22
Chile	780	879	1.23	1.02	43.6	45.5	0.33	0.35
Colombia	1 849	2 214	2.44	1.66	38.0	42.2	1.44	1.01
Mexico	4 462	4 997	0.30	1.03	35.0	34.7	-1.11	-0.04
Paraguay	134	157	1.58	1.38	20.0	20.6	0.24	0.25
EUROPE	27 113	26 830	0.29	-0.15	36.0	35.6	0.19	-0.14
European Union	18 502	17 910	0.60	-0.36	36.4	34.9	0.43	-0.41
Russia	5 713	6 011	0.18	0.48	39.7	42.4	0.10	0.65
Ukraine	1 639	1 639	-1.94	-0.21	36.9	39.1	-1.46	0.32
AFRICA	19 191	26 926	3.63	3.07	15.7	16.9	0.99	0.66
Egypt	3 508	4 739	3.89	2.65	36.7	41.3	1.72	1.02
Ethiopia	491	704	3.75	3.32	4.8	5.4	1.10	1.03
Nigeria	1 593	2 347	5.32	3.59	8.6	9.6	2.56	1.03
South Africa	1 931	2 189	1.32	1.09	34.5	34.8	-0.02	0.06
ASIA	81 254	99 681	2.37	1.75	18.2	20.5	1.31	1.01
China ¹	16 145	20 234	2.38	1.90	11.5	14.0	1.84	1.70
India	24 717	31 124	1.94	1.99	18.7	21.1	0.69	1.01
Indonesia	6 622	8 343	4.06	1.93	25.4	28.8	2.77	1.02
Iran	2 492	2 652	0.99	0.51	31.0	30.3	-0.23	-0.23
Japan	2 108	2 039	-0.46	-0.35	16.5	16.5	-0.37	0.00
Kazakhstan	498	546	1.44	0.81	27.7	27.4	-0.06	-0.06
Korea	1 591	1 784	3.06	0.88	31.3	34.0	2.65	0.60
Malaysia	1 792	2 203	3.81	1.73	57.5	61.7	2.03	0.50
Pakistan	5 085	6 748	2.69	2.63	26.3	28.9	0.58	0.90
Philippines	2 203	2 850	2.59	2.39	21.3	23.6	0.94	0.97
Saudi Arabia	1 225	1 597	3.70	2.31	38.0	41.8	0.92	0.85
Thailand	2 965	3 142	3.03	0.43	43.1	45.1	2.60	0.35
Turkey	2 395	2 624	1.56	0.62	30.1	30.2	0.01	0.00
Viet Nam	1 561	1 960	5.03	1.89	16.5	18.8	3.89	1.01
OCEANIA	1 483	1 656	1.60	1.10	37.8	36.7	0.02	-0.15
Australia	1 163	1 294	1.73	1.05	48.2	47.2	0.22	-0.08
New Zealand	220	236	0.35	0.70	47.2	46.2	-0.72	-0.11
DEVELOPED COUNTRIES	46 337	48 216	0.61	0.33	32.6	32.8	0.20	0.04
DEVELOPING COUNTRIES	120 781	149 654	2.09	1.88	19.9	21.8	0.70	0.75
LEAST DEVELOPED COUNTRIES (LDC)	7 573	10 928	5.23	3.19	9.5	10.7	2.77	0.91
OECD²	43 683	45 850	0.83	0.39	32.8	32.8	0.27	0.00
BRICS	59 545	71 511	1.24	1.60	19.0	21.4	0.39	1.03

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

Sugar data are expressed on a tel quel basis.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.24. Main policy assumptions for sugar markets

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ARGENTINA												
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
BRAZIL												
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
CANADA												
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
CHINA¹												
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
In-quota tariff, white sugar	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Tariff, over-quota	%	55.0	93.3	88.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
EUROPEAN UNION												
Voluntary coupled support												
Sugarbeet ²	mIn EUR	176	179	180	169	169	169	169	169	169	169	169
Reference price, white sugar	EUR/t	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4
Production quota ³	Mt wse	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	419.0
INDIA												
Tariff, sugar	%	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
INDONESIA												
Tariff, sugar	%	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
JAPAN												
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
KOREA												
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	%	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
MEXICO												
Mexico common external tariff, raw sugar	USD/t	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
Mexico common external tariff, white sugar	USD/t	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
RUSSIA												
Minimum tariff, raw sugar	USD/t	204.7	203.0	203.0	203.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0
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
UNITED STATES												
Loan rate, raw sugar	USD/t	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4
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	1 508	1 406	1 409	1 412	1 413	1 415	1 416	1 417	1 418	1 419	1 419
TRQ, refined sugar	kt rse	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
Raw sugar 2nd tier WTO tariff	USD/t	338.6	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
VIET NAM												
Tariff, sugar	%	46.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

The sources for tariffs and Tariff Rate Quotas are the national questionnaire reply, UNCTAD and WTO.

1. Refers to mainland only.
2. Implemented in 10 Member States.
3. Production that receives official support.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.25.1. Meat projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) ³		Growth (%) ⁴		IMPORTS (kt cwe) ⁵		Growth (%) ⁴		EXPORTS (kt cwe) ⁵		Growth (%) ⁴	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	318 533	366 668	1.90	1.15	29 572	35 294	2.92	1.54	30 131	36 051	2.90	1.50
NORTH AMERICA	47 955	54 825	0.62	0.76	2 783	2 869	2.70	0.83	8 726	10 680	1.04	1.50
Canada	4 754	5 250	-0.28	0.80	692	792	0.37	1.32	1 913	2 198	0.68	0.95
United States	43 202	49 575	0.72	0.75	2 092	2 077	3.60	0.65	6 814	8 482	1.14	1.64
LATIN AMERICA	51 489	61 199	2.02	1.38	4 035	5 053	4.32	1.39	8 363	11 035	0.99	2.13
Argentina	5 410	6 825	1.46	1.66	47	49	-5.57	2.05	414	1 033	-5.55	5.88
Brazil	26 624	31 351	2.22	1.20	75	65	11.00	-1.82	6 320	8 375	0.96	2.27
Chile	1 468	1 646	1.06	1.36	470	641	13.29	1.81	327	275	2.77	-1.28
Colombia	2 653	3 152	3.60	1.45	157	265	14.33	3.19	17	4	-16.56	-18.10
Mexico	6 342	7 821	1.84	1.74	1 769	1 967	5.02	0.65	294	369	15.30	1.37
Paraguay	804	979	3.44	1.75	31	40	6.86	2.43	359	380	7.45	0.52
EUROPE	61 835	64 267	1.76	0.26	3 216	3 097	-6.25	-0.63	5 049	5 528	6.41	0.91
European Union	46 859	47 277	0.96	0.00	1 362	1 571	-1.23	0.85	4 247	4 553	5.27	0.89
Russia	9 966	11 404	5.99	0.97	1 171	799	-10.87	-3.57	159	279	20.78	4.01
Ukraine	2 180	2 399	2.31	1.28	225	250	-9.55	-0.24	268	282	32.10	-0.55
AFRICA	16 323	20 370	2.17	2.27	2 769	3 931	5.88	3.29	317	268	12.78	0.06
Egypt	2 207	2 931	3.33	2.51	352	380	5.59	2.09	10	6	16.10	-1.08
Ethiopia	596	719	0.10	2.24	0	0	-8.59	9.22	17	22	10.08	3.73
Nigeria	1 260	1 514	1.68	2.01	3	3	15.51	1.41	1	1	-12.83	-2.42
South Africa	3 202	3 802	3.15	2.08	600	777	9.82	1.31	185	159	34.05	1.32
ASIA	134 479	158 566	2.41	1.43	16 203	19 698	5.11	1.73	4 413	4 864	8.58	0.79
China ¹	83 280	96 813	2.00	1.27	2 675	2 860	13.35	0.25	534	627	0.97	1.35
India	6 814	8 445	2.46	1.81	1	2	-11.13	3.85	1 696	1 740	12.96	0.02
Indonesia	3 362	4 036	3.91	1.81	147	298	7.72	4.32	1	1	-10.04	-1.21
Iran	2 675	3 245	1.81	1.87	122	204	-4.81	3.70	92	148	14.95	7.53
Japan	3 284	3 350	0.48	0.09	2 871	2 900	2.28	-0.51	15	20	6.06	2.13
Kazakhstan	835	971	0.22	1.42	188	298	-0.15	4.06	1	1	2.01	-1.41
Korea	2 432	2 586	3.56	0.63	1 212	1 376	5.19	1.13	32	10	-0.04	-2.52
Malaysia	1 982	2 272	4.11	1.28	339	460	6.77	2.91	178	187	5.04	0.33
Pakistan	3 236	4 101	3.66	2.31	34	105	17.40	9.49	66	8	9.89	-20.56
Philippines	3 471	4 397	2.93	1.95	480	887	8.33	5.85	11	10	-1.41	-0.72
Saudi Arabia	705	921	2.63	2.21	1 119	1 259	5.04	1.58	103	91	38.65	-1.46
Thailand	3 393	4 101	4.50	1.51	29	20	13.73	-1.20	1 037	1 377	6.62	2.14
Turkey	3 417	4 342	7.96	2.07	18	8	8.86	-3.03	422	444	18.42	0.88
Viet Nam	4 777	6 467	3.02	2.75	1 649	2 291	14.42	3.63	31	20	3.33	-5.93
OCEANIA	6 451	7 441	1.57	1.33	566	648	3.03	2.12	3 262	3 676	2.11	1.71
Australia	4 935	5 837	2.04	1.55	334	365	2.80	2.29	2 186	2 629	2.76	2.39
New Zealand	1 376	1 456	0.11	0.56	77	67	5.92	-1.01	1 073	1 045	0.82	0.17
DEVELOPED COUNTRIES	126 243	137 775	1.32	0.59	10 485	10 928	-0.74	0.28	17 258	20 078	2.74	1.36
DEVELOPING COUNTRIES	192 290	228 893	2.30	1.50	19 086	24 365	5.52	2.16	12 873	15 973	3.12	1.69
LEAST DEVELOPED COUNTRIES (LDC)	8 781	11 054	3.44	2.27	1 142	1 972	5.24	4.94	22	17	4.21	-1.94
OECD²	119 532	130 787	1.08	0.60	11 142	12 113	2.89	0.63	17 342	20 033	2.60	1.32
BRICS	129 885	151 814	2.36	1.28	4 522	4 503	1.25	-0.42	8 894	11 180	3.07	1.86

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Gross indigenous production.
4. Least-squares growth rate (see glossary).
5. Excludes trade of live animals.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.25.2. Meat projections: Consumption, food

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) ³		FOOD (kg rwe/cap) ⁴		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	317 785	365 539	1.89	1.15	34.3	35.4	0.76	0.19
NORTH AMERICA	42 172	47 298	0.63	0.60	94.4	97.7	-0.04	-0.10
Canada	3 136	3 398	0.16	0.70	69.5	69.0	-0.72	-0.08
United States	39 037	43 900	0.67	0.59	97.2	101.0	0.02	-0.10
LATIN AMERICA	46 723	54 683	2.38	1.23	58.9	62.6	1.35	0.37
Argentina	5 044	5 841	2.22	1.06	89.8	94.7	1.45	0.22
Brazil	20 082	22 724	2.64	0.82	76.9	81.3	1.83	0.21
Chile	1 605	2 006	3.10	1.94	71.8	83.2	2.19	1.26
Colombia	2 773	3 391	4.59	1.66	46.3	52.7	3.74	1.03
Mexico	7 601	9 145	2.21	1.50	48.6	51.9	0.88	0.44
Paraguay	477	639	1.19	2.60	53.0	62.2	-0.08	1.41
EUROPE	59 832	61 649	0.74	0.17	64.6	66.8	0.74	0.20
European Union	43 700	44 030	0.51	-0.04	68.7	68.9	0.43	-0.08
Russia	11 070	11 996	1.88	0.52	62.3	68.5	2.07	0.66
Ukraine	2 130	2 356	-1.08	1.37	39.1	45.9	-0.51	1.89
AFRICA	18 822	24 113	2.56	2.47	12.4	12.2	0.04	0.08
Egypt	2 580	3 331	3.69	2.45	21.5	23.2	1.69	0.87
Ethiopia	560	691	-0.44	2.32	4.2	4.1	-2.87	0.14
Nigeria	1 321	1 619	1.47	2.18	5.7	5.3	-1.31	-0.35
South Africa	3 684	4 420	3.35	1.85	54.4	58.2	2.10	0.80
ASIA	146 818	173 817	2.54	1.47	26.5	28.9	1.50	0.75
China ¹	85 401	98 950	2.27	1.24	48.7	55.0	1.72	1.05
India	5 109	6 696	0.19	2.33	3.2	3.8	-0.50	1.38
Indonesia	3 617	4 488	3.85	1.98	11.4	12.8	2.65	1.08
Iran	2 691	3 294	1.18	1.82	28.8	32.2	0.12	1.05
Japan	6 130	6 189	1.28	-0.26	38.5	40.3	1.43	0.08
Kazakhstan	1 025	1 271	0.18	1.98	45.1	50.7	-1.09	1.12
Korea	3 629	3 952	4.00	0.81	56.6	59.8	3.62	0.56
Malaysia	2 153	2 554	4.33	1.63	58.7	60.8	2.56	0.39
Pakistan	3 198	4 192	3.64	2.59	13.0	14.0	1.62	0.86
Philippines	3 944	5 277	3.49	2.51	30.9	35.4	1.97	1.10
Saudi Arabia	1 860	2 240	3.49	1.90	49.8	50.7	0.76	0.45
Thailand	2 199	2 539	3.83	1.17	26.3	30.1	3.72	1.11
Turkey	3 091	3 931	7.14	2.03	31.7	36.6	5.06	1.36
Viet Nam	6 457	8 791	5.23	2.98	53.7	66.4	3.98	2.12
OCEANIA	3 418	3 980	1.50	1.12	71.0	71.9	0.12	-0.07
Australia	2 714	3 171	1.71	1.07	91.7	94.3	0.39	0.01
New Zealand	411	449	0.43	0.80	72.2	71.8	-0.39	0.01
DEVELOPED COUNTRIES	119 233	128 308	0.87	0.44	68.0	70.8	0.56	0.17
DEVELOPING COUNTRIES	198 552	237 232	2.54	1.55	26.4	27.9	1.19	0.43
LEAST DEVELOPED COUNTRIES (LDC)	9 836	12 994	3.74	2.69	9.9	10.3	1.44	0.42
OECD²	112 806	122 221	1.02	0.48	68.5	71.0	0.53	0.10
BRICS	125 345	144 786	2.23	1.18	32.1	34.8	1.43	0.62

Note: Calendar year; except year ending 30 September New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).
4. Per capita consumption expressed in retail weight. Carcass weight to retail weight conversion factors of 0.7 for beef and veal, 0.78 for pigmeat and 0.88 for both sheep meat and poultry meat.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	PRODUCTION (kt cwe) ³		Growth (%) ⁴		IMPORTS (kt cwe) ⁵		Growth (%) ⁴		EXPORTS (kt cwe) ⁵		Growth (%) ⁴	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	68 486	79 292	0.66	1.08	8 722	10 392	3.59	1.61	9 034	10 853	3.15	1.47
NORTH AMERICA	12 308	14 262	-0.81	0.38	1 605	1 603	2.63	0.62	1 598	1 877	1.99	0.73
Canada	1 364	1 519	-2.18	0.87	190	195	-1.48	0.57	434	523	-1.35	1.08
United States	10 945	12 742	-0.62	0.32	1 416	1 409	3.33	0.62	1 164	1 354	3.53	0.60
LATIN AMERICA	18 010	21 280	0.74	1.31	704	890	-1.57	1.19	2 772	4 090	0.20	2.73
Argentina	2 723	3 379	-1.33	1.57	7	7	4.15	0.00	240	622	-7.95	6.08
Brazil	9 403	11 096	1.21	1.24	47	46	15.14	-0.55	1 428	2 356	-0.24	3.68
Chile	222	246	0.48	1.54	263	353	9.09	2.00	11	9	-2.31	-1.74
Colombia	834	943	-0.18	0.91	4	3	12.71	-3.65	13	1	-14.35	-29.33
Mexico	1 876	2 203	1.35	1.39	132	186	-7.79	0.69	183	218	24.30	0.96
Paraguay	604	739	3.97	1.81	3	3	12.00	0.18	354	375	7.42	0.56
EUROPE	10 785	10 693	-0.37	-0.08	949	850	-4.28	-0.82	401	397	4.00	-0.69
European Union	8 026	7 636	-0.27	-0.61	298	321	-1.20	0.19	240	226	7.07	-1.84
Russia	1 637	1 841	-0.82	1.60	552	423	-6.14	-1.73	11	12	-12.87	0.00
Ukraine	399	416	-1.73	1.08	2	3	-23.74	1.32	28	6	8.42	-11.84
AFRICA	6 185	7 715	1.39	2.34	666	895	2.91	3.09	130	109	14.82	1.97
Egypt	850	1 109	0.33	2.00	332	359	7.34	2.06	7	5	46.57	-0.29
Ethiopia	371	410	-0.67	1.52	0	0	..	..	0	0	0.31	-12.45
Nigeria	330	389	4.50	1.78	2	3	20.83	1.57	1	1	-12.83	-2.42
South Africa	918	1 105	3.12	3.09	25	40	14.55	-4.23	68	62	35.60	8.01
ASIA	17 952	21 726	2.03	1.54	4 744	6 094	7.88	2.14	1 900	1 927	12.13	-0.02
China ¹	7 037	8 850	1.63	1.71	581	889	71.46	3.18	16	10	-22.90	-0.79
India	2 632	2 888	0.86	0.67	0	0	..	-0.01	1 668	1 733	13.60	0.11
Indonesia	386	365	3.38	0.04	135	267	7.55	3.79	0	0	-8.15	-0.29
Iran	193	235	-4.07	1.48	113	190	-3.67	3.86	4	4	28.83	-1.44
Japan	469	456	-1.28	-0.35	765	857	1.69	0.34	3	3	18.29	0.00
Kazakhstan	420	495	0.75	1.54	17	47	-9.10	8.18	0	0	5.25	-2.16
Korea	294	321	1.87	0.31	430	490	4.95	1.04	7	4	14.59	-5.44
Malaysia	23	27	8.43	0.65	206	250	5.31	2.54	11	7	5.60	-2.48
Pakistan	1 762	2 275	2.95	2.40	4	23	4.06	19.50	34	2	8.05	-28.29
Philippines	305	398	0.91	2.57	149	189	1.07	1.61	3	3	-2.86	-0.27
Saudi Arabia	57	72	11.67	1.36	142	145	2.58	1.03	30	28	5.41	-1.02
Thailand	245	292	-1.23	1.14	18	10	15.07	-2.81	40	48	17.95	2.89
Turkey	1 028	1 528	14.27	3.06	11	4	47.23	-5.05	12	19	16.22	5.76
Viet Nam	337	446	-0.82	2.47	926	1 237	22.87	2.57	0	0	-0.29	-0.20
OCEANIA	3 245	3 617	1.04	1.11	54	60	1.74	1.91	2 233	2 453	2.26	1.73
Australia	2 562	2 954	1.19	1.39	14	14	5.14	0.00	1 641	1 892	2.47	2.31
New Zealand	663	648	0.42	0.01	12	10	9.32	0.00	589	559	1.63	-0.01
DEVELOPED COUNTRIES	29 543	32 196	-0.15	0.43	3 543	3 682	0.03	0.47	4 304	4 794	2.52	1.16
DEVELOPING COUNTRIES	38 943	47 096	1.30	1.56	5 180	6 711	6.73	2.29	4 730	6 059	3.74	1.73
LEAST DEVELOPED COUNTRIES (LDC)	3 025	3 859	1.67	2.49	135	271	-2.06	7.14	2	1	4.78	-2.03
OECD²	27 731	30 554	0.07	0.39	3 691	4 081	2.12	0.84	4 286	4 810	2.84	1.10
BRICS	21 627	25 780	1.21	1.43	1 205	1 398	3.98	1.13	3 192	4 173	5.03	2.07

.. Not available

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Gross indigenous production.
4. Least-squares growth rate (see glossary).
5. Excludes trade of live animals.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.26.2. Beef and veal projections: Consumption, food

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) ³		FOOD (kg rwe/cap) ⁴		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	67 977	78 510	0.63	1.09	6.4	6.6	-0.56	0.12
NORTH AMERICA	12 539	14 284	-0.75	0.37	24.5	25.8	-1.50	-0.34
Canada	883	920	-1.59	0.40	17.0	16.2	-2.59	-0.42
United States	11 655	13 364	-0.68	0.37	25.3	26.9	-1.41	-0.33
LATIN AMERICA	15 493	17 535	0.64	0.97	17.0	17.5	-0.49	0.12
Argentina	2 490	2 764	-0.38	0.77	39.8	40.1	-1.40	-0.08
Brazil	7 724	8 470	1.46	0.63	26.0	26.6	0.55	0.02
Chile	469	584	4.25	1.89	18.3	21.1	3.32	1.22
Colombia	805	924	0.96	1.17	11.6	12.3	-0.03	0.53
Mexico	1 598	1 885	-0.67	1.27	8.8	9.2	-2.07	0.20
Paraguay	252	367	0.24	3.25	26.3	33.7	-1.08	2.10
EUROPE	11 192	10 994	-1.19	-0.09	10.6	10.4	-1.30	-0.07
European Union	7 871	7 517	-0.69	-0.51	10.8	10.3	-0.85	-0.57
Russia	2 259	2 326	-2.83	0.86	11.0	11.5	-2.91	1.03
Ukraine	364	402	-3.08	1.59	5.7	6.7	-2.61	2.12
AFRICA	6 836	8 622	1.45	2.41	3.9	3.8	-1.13	0.02
Egypt	1 207	1 489	2.12	1.99	8.8	9.1	-0.02	0.37
Ethiopia	352	403	-1.22	1.70	2.4	2.1	-3.74	-0.55
Nigeria	384	489	3.55	2.43	1.4	1.4	0.83	-0.11
South Africa	927	1 070	2.16	2.07	11.6	11.9	0.80	1.03
ASIA	21 188	26 228	2.50	1.77	3.3	3.8	1.44	1.02
China ¹	7 615	9 753	2.87	1.84	3.8	4.7	2.32	1.63
India	964	1 155	-8.98	1.55	0.5	0.5	-10.10	0.57
Indonesia	646	797	2.94	1.50	1.7	1.9	1.67	0.59
Iran	304	422	-4.30	2.51	2.6	3.4	-5.46	1.75
Japan	1 241	1 310	0.60	0.10	6.8	7.4	0.69	0.45
Kazakhstan	440	546	0.19	1.96	17.1	19.2	-1.29	1.08
Korea	729	807	4.22	0.79	10.0	10.8	3.81	0.51
Malaysia	226	278	4.62	2.42	5.1	5.4	2.82	1.19
Pakistan	1 726	2 289	2.85	2.66	6.3	6.9	0.74	0.94
Philippines	455	587	0.96	2.25	3.1	3.4	-0.66	0.83
Saudi Arabia	170	190	1.08	1.49	3.7	3.5	-1.63	0.04
Thailand	168	171	-2.72	-0.08	1.7	1.7	-3.12	-0.16
Turkey	1 107	1 538	14.69	2.51	9.7	12.4	12.94	1.88
Viet Nam	1 325	1 737	12.62	2.45	9.8	11.7	11.39	1.57
OCEANIA	728	847	-2.47	-0.39	13.0	13.1	-3.99	-1.63
Australia	601	709	-2.21	-0.56	17.4	18.1	-3.66	-1.67
New Zealand	83	88	-5.11	0.10	12.5	12.1	-6.12	-0.70
DEVELOPED COUNTRIES	28 643	30 896	-0.63	0.32	14.2	14.9	-1.05	0.03
DEVELOPING COUNTRIES	39 334	47 613	1.63	1.62	4.5	4.9	0.25	0.49
LEAST DEVELOPED COUNTRIES (LDC)	3 135	4 131	1.66	2.82	2.8	2.8	-0.71	0.54
OECD²	26 736	29 323	-0.13	0.32	14.2	14.8	-0.69	-0.08
BRICS	19 489	22 774	0.68	1.27	4.4	4.8	-0.17	0.70

Note: Calendar year; except year ending 30 September New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).
4. Per capita consumption expressed in retail weight. Carcass weight to retail weight conversion factors of 0.7 for beef and veal, 0.78 for pigmeat and 0.88 for both sheep meat and poultry meat.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.27.1. Pigmeat projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) ³		Growth (%) ⁴		IMPORTS (kt cwe) ⁵		Growth (%) ⁴		EXPORTS (kt cwe) ⁵		Growth (%) ⁴	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	117 547	130 930	1.67	0.91	7 422	8 133	3.32	0.73	7 584	8 185	3.09	0.71
NORTH AMERICA	13 256	15 111	1.11	0.79	717	788	3.36	1.36	3 708	4 230	2.15	1.04
Canada	2 035	2 159	0.08	0.48	215	290	1.89	2.06	1 308	1 481	1.71	0.89
United States	11 221	12 951	1.31	0.85	502	498	4.07	0.97	2 400	2 749	2.41	1.12
LATIN AMERICA	7 789	9 629	2.48	1.77	1 258	1 564	8.19	1.43	947	1 048	2.56	0.42
Argentina	518	696	9.23	1.88	29	36	-8.68	2.58	5	2	-2.67	1.77
Brazil	3 710	4 541	2.31	1.78	19	11	10.33	-6.84	641	720	1.60	0.43
Chile	514	580	-0.09	1.46	71	102	38.06	0.56	168	157	2.57	-0.55
Colombia	340	436	8.90	1.74	71	114	30.74	3.89	0	0	..	..
Mexico	1 324	1 715	1.91	1.95	763	870	7.96	0.63	109	146	9.04	1.84
Paraguay	178	219	2.61	1.91	2	2	10.82	0.53	3	3	22.90	-1.04
EUROPE	28 829	29 316	1.07	0.18	500	445	-11.73	-1.41	2 652	2 629	5.02	0.41
European Union	23 583	23 298	0.41	-0.04	12	35	-15.28	8.40	2 530	2 488	4.98	0.47
Russia	3 346	3 955	6.38	1.22	369	276	-11.35	-3.45	38	60	118.84	4.03
Ukraine	713	773	2.76	1.39	5	5	-38.24	4.19	13	6	46.09	-9.68
AFRICA	1 373	1 654	2.55	1.62	281	441	5.76	5.82	30	28	18.28	-0.78
Egypt	1	0	-2.64	-2.45	1	1	14.16	2.89	1	0	29.94	-2.81
Ethiopia	2	3	1.69	2.56	0	0	..	13.11	0	0	..	..
Nigeria	255	302	1.78	1.71	1	0	6.11	0.60	0	0	..	..
South Africa	253	325	-0.75	1.95	35	31	0.44	0.71	26	25	30.69	-0.71
ASIA	65 765	74 566	1.94	1.10	4 262	4 461	5.83	0.15	206	194	0.84	-0.58
China ¹	53 068	59 429	1.94	0.98	1 380	1 204	23.05	-1.99	110	111	-1.58	0.31
India	357	386	-0.79	0.65	1	1	-6.72	4.38	0	0	-26.21	..
Indonesia	799	971	2.30	1.83	6	7	26.93	3.59	0	0	-8.65	-2.19
Iran	0	0	..	..	4	5	26.36	0.00	4	5	31.88	0.00
Japan	1 271	1 266	-0.08	-0.04	1 233	1 216	1.69	-0.42	3	4	10.67	0.53
Kazakhstan	93	83	-11.05	-0.86	26	38	1.40	4.77	0	0	..	..
Korea	1 263	1 313	3.03	0.40	626	674	4.92	0.70	3	2	-4.04	0.00
Malaysia	218	229	0.51	0.45	28	43	16.99	3.25	5	5	3.80	-1.37
Pakistan	0	0	..	..	0	0	..	..	0	0	..	..
Philippines	1 863	2 346	1.97	1.78	112	289	9.48	9.32	3	2	2.45	-1.35
Saudi Arabia	2	5	0.00	0.00	6	5	-4.82	0.00	0	0	..	..
Thailand	1 065	1 188	1.38	1.11	2	2	24.26	0.27	28	26	7.61	1.10
Turkey	17	19	30.44	1.04	0	0	5.25	-0.25	9	11	20.09	0.25
Viet Nam	3 633	4 937	3.01	2.82	71	102	9.26	8.68	31	20	3.70	-5.99
OCEANIA	535	655	1.59	1.43	403	434	3.35	1.85	41	56	-2.80	2.22
Australia	396	484	2.30	1.23	320	351	2.71	2.39	41	55	-2.91	2.35
New Zealand	46	67	-0.92	3.49	60	53	6.39	-1.26	0	0	11.76	-11.08
DEVELOPED COUNTRIES	44 251	46 770	1.01	0.39	2 942	2 970	-1.64	0.22	6 431	6 944	3.26	0.80
DEVELOPING COUNTRIES	73 296	84 160	2.08	1.20	4 480	5 163	8.10	1.04	1 153	1 241	2.24	0.25
LEAST DEVELOPED COUNTRIES (LDC)	1 790	2 203	5.40	1.83	159	289	4.21	7.38	1	1	-1.56	-0.57
OECD²	42 062	44 271	0.74	0.37	3 817	4 106	3.78	0.61	6 572	7 096	3.23	0.82
BRICS	60 734	68 636	2.14	1.05	1 803	1 523	5.15	-2.27	814	916	2.20	0.58

.. Not available

Note: Calendar year; except year ending 30 September New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Gross indigenous production.
4. Least-squares growth rate (see glossary).
5. Excludes trade of live animals.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.27.2. Pigmeat projections: Consumption, food

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) ³		FOOD (kg rwe/cap) ⁴		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	117 354	130 699	1.66	0.90	12.3	12.2	0.46	-0.07
NORTH AMERICA	10 264	11 664	0.92	0.76	22.3	23.5	0.15	0.05
Canada	786	795	-0.19	0.08	16.9	15.6	-1.21	-0.74
United States	9 478	10 869	1.02	0.81	22.9	24.4	0.28	0.11
LATIN AMERICA	8 105	10 149	3.20	1.86	9.9	11.3	2.04	1.00
Argentina	542	729	7.83	1.91	9.6	11.8	6.73	1.05
Brazil	3 087	3 831	2.46	2.01	11.6	13.4	1.54	1.40
Chile	417	524	1.22	1.97	18.2	21.2	0.33	1.29
Colombia	410	551	11.10	2.14	6.6	8.2	10.02	1.49
Mexico	1 985	2 446	3.52	1.46	12.1	13.3	2.07	0.39
Paraguay	178	219	2.51	1.93	20.6	22.4	1.16	0.80
EUROPE	26 687	27 132	0.23	0.12	28.0	28.5	0.12	0.14
European Union	21 054	20 826	-0.01	-0.09	32.3	31.7	-0.18	-0.15
Russia	3 678	4 173	1.67	0.79	19.9	22.9	1.59	0.95
Ukraine	705	772	-1.15	1.59	12.4	14.3	-0.66	2.13
AFRICA	1 624	2 067	2.88	2.42	1.0	1.0	0.26	0.03
Egypt	1	1	-0.40	2.85	0.0	0.0	..	..
Ethiopia	2	3	1.78	3.30	0.0	0.0	..	..
Nigeria	257	303	1.84	1.70	1.1	1.0	-0.84	-0.81
South Africa	262	330	-1.84	2.07	3.6	4.1	-3.14	1.03
ASIA	69 773	78 654	2.15	1.04	12.2	12.6	1.09	0.30
China ¹	54 305	60 403	2.24	0.92	30.2	32.7	1.70	0.72
India	358	388	-0.74	0.67	0.2	0.2	-1.96	-0.30
Indonesia	788	968	2.49	1.94	2.4	2.6	1.23	1.02
Iran	0	0	..	..	0.0	0.0	..	..
Japan	2 500	2 426	0.75	-0.47	15.3	15.4	0.84	-0.13
Kazakhstan	119	121	-9.31	0.62	5.1	4.7	-10.65	-0.25
Korea	1 891	1 985	3.22	0.50	29.0	29.5	2.80	0.23
Malaysia	241	268	1.57	0.89	6.0	5.8	-0.18	-0.33
Pakistan	0	0	..	..	0.0	0.0	..	..
Philippines	1 972	2 633	2.29	2.36	14.9	17.0	0.64	0.94
Saudi Arabia	8	10	0.84	0.00	0.2	0.2	-1.79	-1.43
Thailand	915	1 044	0.78	1.15	10.4	11.7	0.36	1.07
Turkey	8	9	58.73	2.07	0.1	0.1	..	..
Viet Nam	3 673	5 019	3.15	2.97	30.3	37.5	2.03	2.08
OCEANIA	900	1 033	2.57	1.56	17.9	17.8	0.98	0.31
Australia	678	780	2.85	1.66	21.9	22.2	1.33	0.53
New Zealand	105	120	2.64	1.16	17.6	18.3	1.55	0.35
DEVELOPED COUNTRIES	40 773	42 739	0.43	0.30	22.6	22.9	0.01	0.02
DEVELOPING COUNTRIES	76 581	87 960	2.37	1.21	9.9	10.0	0.98	0.08
LEAST DEVELOPED COUNTRIES (LDC)	1 957	2 500	5.34	2.33	1.9	1.9	2.88	0.07
OECD²	39 307	41 211	0.65	0.30	23.2	23.2	0.08	-0.09
BRICS	61 690	69 124	2.18	0.97	15.3	16.1	1.32	0.41

.. Not available

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).
4. Per capita consumption expressed in retail weight. Carcass weight to retail weight conversion factors of 0.7 for beef and veal, 0.78 for pigmeat and 0.88 for both sheep meat and poultry meat.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	PRODUCTION (kt rtc)		Growth (%) ³		IMPORTS (kt rtc)		Growth (%) ³		EXPORTS (kt rtc)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	118 083	139 016	3.03	1.33	12 459	15 716	2.34	1.99	12 455	15 820	2.75	1.97
NORTH AMERICA	22 297	25 354	1.19	0.95	342	362	1.86	1.03	3 408	4 560	-0.45	2.31
Canada	1 338	1 555	1.43	1.20	265	288	0.77	1.31	170	194	-1.18	1.08
United States	20 959	23 799	1.18	0.94	77	73	6.94	0.00	3 238	4 366	-0.41	2.36
LATIN AMERICA	25 303	29 867	2.91	1.31	2 047	2 577	5.22	1.46	4 628	5 878	1.27	2.06
Argentina	2 107	2 682	4.55	1.73	11	6	-6.86	1.78	166	407	-0.55	5.70
Brazil	13 393	15 585	2.98	1.02	4	3	15.71	0.00	4 251	5 299	1.30	1.95
Chile	716	807	2.22	1.30	135	186	17.65	2.18	143	105	3.64	-2.13
Colombia	1 470	1 762	5.28	1.69	82	148	7.44	2.87	4	3	-12.15	-0.28
Mexico	3 082	3 835	2.11	1.86	863	902	6.71	0.69	2	6	-11.51	6.91
Paraguay	19	16	-2.19	-2.18	26	35	6.11	2.78	2	2	1.30	-2.67
EUROPE	20 920	22 852	4.27	0.53	1 559	1 580	-5.17	-0.46	1 964	2 471	9.11	1.80
European Union	14 312	15 350	2.86	0.37	857	1 002	0.01	0.91	1 454	1 813	5.47	1.96
Russia	4 767	5 356	9.43	0.59	247	99	-16.41	-8.86	111	207	48.89	4.30
Ukraine	1 054	1 190	4.02	1.27	218	243	-3.07	-0.33	227	270	43.32	0.33
AFRICA	5 799	7 264	3.86	2.30	1 789	2 558	7.62	3.00	125	96	15.93	-1.92
Egypt	1 227	1 679	6.58	3.00	18	20	-7.64	2.58	2	1	-2.47	-3.50
Ethiopia	61	84	2.51	3.34	0	0	..	..	0	0	..	..
Nigeria	292	348	2.19	1.99	0	0	..	..	0	0	..	..
South Africa	1 831	2 138	3.98	1.67	531	697	11.23	1.72	90	71	37.52	-1.55
ASIA	42 284	51 907	3.43	1.78	6 640	8 514	2.94	2.41	2 268	2 726	7.44	1.61
China ¹	18 632	22 933	2.21	1.72	488	528	-4.75	1.77	406	502	4.07	1.65
India	3 086	4 343	5.66	2.88	0	0	-4.44	4.40	5	1	8.89	-11.11
Indonesia	2 071	2 565	5.09	2.05	3	10	3.33	10.03	0	0	..	..
Iran	2 171	2 660	2.71	2.00	2	2	-27.01	-0.63	84	139	14.02	8.37
Japan	1 544	1 628	1.58	0.33	853	810	4.29	-1.45	9	13	3.02	3.35
Kazakhstan	160	206	11.32	2.20	145	213	1.66	3.22	1	1	-15.82	-0.32
Korea	874	952	5.15	1.08	144	200	6.75	2.98	22	4	-0.84	0.00
Malaysia	1 740	2 015	4.59	1.39	71	123	7.55	3.85	161	175	5.05	0.52
Pakistan	998	1 230	6.25	2.17	29	83	23.95	7.93	24	5	67.29	-13.38
Philippines	1 247	1 585	5.27	2.06	218	407	17.22	6.25	5	5	-2.16	-0.64
Saudi Arabia	646	844	2.38	2.30	920	1 057	5.85	1.69	71	62	41.74	-1.66
Thailand	2 080	2 618	7.48	1.74	6	6	10.20	0.64	969	1 304	6.30	2.13
Turkey	1 992	2 324	6.45	1.48	5	4	-3.61	0.24	401	415	18.57	0.72
Viet Nam	799	1 075	5.25	2.53	651	947	7.92	4.67	0	0	..	..
OCEANIA	1 480	1 773	4.32	1.63	81	124	7.33	3.57	61	89	7.50	1.36
Australia	1 242	1 509	4.24	1.87	0	0	..	..	41	74	3.51	4.18
New Zealand	212	235	5.21	0.29	0	0	..	..	20	15	24.45	-6.62
DEVELOPED COUNTRIES	48 947	54 763	2.66	0.81	3 639	3 904	-0.47	0.14	5 550	7 216	2.47	2.05
DEVELOPING COUNTRIES	69 136	84 253	3.31	1.69	8 820	11 812	3.78	2.68	6 905	8 604	2.98	1.91
LEAST DEVELOPED COUNTRIES (LDC)	2 646	3 273	5.30	2.14	843	1 405	7.32	4.15	19	15	6.37	-1.99
OECD²	47 017	52 876	2.11	0.88	3 261	3 544	3.58	0.45	5 515	7 006	1.84	2.00
BRICS	41 711	50 356	3.43	1.46	1 270	1 328	-5.26	0.35	4 863	6 081	2.07	1.94

.. Not available

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.28.2. Poultry meat projections: Consumption, food

Calendar year

	CONSUMPTION (kt rtc)		Growth (%) ³		FOOD (kg rwe/cap) ⁴		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	118 018	138 921	2.98	1.34	13.9	14.7	1.77	0.36
NORTH AMERICA	19 177	21 155	1.48	0.68	47.1	48.0	0.71	-0.04
Canada	1 429	1 649	1.62	1.23	34.7	36.5	0.59	0.41
United States	17 747	19 507	1.47	0.63	48.5	49.3	0.72	-0.07
LATIN AMERICA	22 722	26 566	3.47	1.17	31.4	33.3	2.31	0.31
Argentina	1 952	2 281	5.01	1.16	39.2	41.6	3.94	0.30
Brazil	9 146	10 289	3.83	0.57	38.8	40.7	2.89	-0.03
Chile	708	888	3.67	1.98	34.8	40.4	2.76	1.30
Colombia	1 547	1 907	5.49	1.78	28.0	32.0	4.46	1.13
Mexico	3 943	4 731	3.00	1.62	27.2	29.0	1.55	0.55
Paraguay	43	48	1.96	1.19	5.6	5.6	0.62	0.06
EUROPE	20 525	21 961	2.86	0.32	24.3	26.0	2.75	0.34
European Union	13 715	14 539	2.43	0.23	23.7	25.0	2.26	0.17
Russia	4 914	5 248	4.99	0.16	30.0	32.6	4.90	0.33
Ukraine	1 046	1 163	-0.20	1.14	20.7	24.4	0.29	1.67
AFRICA	7 463	9 726	4.54	2.53	5.4	5.4	1.88	0.14
Egypt	1 243	1 697	6.15	3.00	11.4	13.0	3.93	1.37
Ethiopia	61	84	2.45	3.34	0.5	0.6	-0.16	1.05
Nigeria	292	348	1.78	1.99	1.4	1.2	-0.89	-0.54
South Africa	2 271	2 764	4.79	1.78	35.7	38.7	3.40	0.75
ASIA	46 631	57 704	3.19	1.88	9.2	10.5	2.12	1.14
China ¹	18 715	22 959	1.92	1.72	11.7	14.0	1.38	1.51
India	3 081	4 343	5.66	2.89	2.0	2.6	4.36	1.90
Indonesia	2 074	2 575	5.08	2.07	7.0	7.8	3.78	1.16
Iran	2 089	2 523	2.21	1.75	22.9	25.3	0.97	1.00
Japan	2 368	2 436	2.40	-0.22	16.3	17.4	2.49	0.13
Kazakhstan	304	417	5.82	2.71	14.9	18.5	4.25	1.83
Korea	996	1 148	5.39	1.39	17.3	19.3	4.96	1.11
Malaysia	1 650	1 962	4.66	1.61	46.6	48.3	2.86	0.38
Pakistan	1 003	1 307	6.26	2.60	4.6	4.9	4.08	0.87
Philippines	1 459	1 986	6.52	2.80	12.4	14.5	4.81	1.37
Saudi Arabia	1 495	1 838	3.68	2.10	40.8	42.3	0.91	0.65
Thailand	1 113	1 319	8.74	1.37	14.2	16.7	8.29	1.28
Turkey	1 595	1 913	4.50	1.65	17.7	19.4	2.90	1.02
Viet Nam	1 449	2 022	6.01	3.48	13.5	17.1	4.86	2.59
OCEANIA	1 501	1 808	4.34	1.76	33.6	35.2	2.72	0.50
Australia	1 201	1 436	4.27	1.76	43.8	46.1	2.73	0.63
New Zealand	192	220	4.12	0.99	36.2	38.0	3.01	0.18
DEVELOPED COUNTRIES	46 971	51 462	2.38	0.60	29.4	31.1	1.96	0.31
DEVELOPING COUNTRIES	71 047	87 458	3.40	1.80	10.3	11.2	2.00	0.67
LEAST DEVELOPED COUNTRIES (LDC)	3 470	4 663	5.84	2.72	3.8	4.0	3.37	0.45
OECD²	44 688	49 424	2.22	0.71	29.8	31.4	1.65	0.31
BRICS	38 127	45 603	3.17	1.37	10.7	12.0	2.31	0.80

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).
4. Per capita consumption expressed in retail weight. Carcass weight to retail weight conversion factors of 0.7 for beef and veal, 0.78 for pigmeat and 0.88 for both sheep meat and poultry meat.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.29.1. Sheep meat projections: Production and trade

Calendar year

	PRODUCTION (kt cwe) ³		Growth (%) ⁴		IMPORTS (kt cwe) ⁵		Growth (%) ⁴		EXPORTS (kt cwe) ⁵		Growth (%) ⁴	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	14 417	17 430	1.31	1.79	968	1 052	1.70	0.78	1 058	1 193	1.44	1.32
NORTH AMERICA	94	99	-0.95	0.63	119	115	2.34	-0.28	13	13	9.26	0.04
Canada	17	16	1.15	0.36	21	18	-0.65	-1.34	0	0	-6.88	0.36
United States	77	83	-1.36	0.69	98	97	3.11	-0.06	13	13	9.71	0.04
LATIN AMERICA	387	424	-0.14	0.80	26	21	-5.76	-1.95	16	19	-8.36	0.84
Argentina	62	68	1.47	0.78	0	0	0.26	0.00	2	2	-17.20	0.25
Brazil	118	128	1.11	0.63	6	5	-0.01	-0.31	0	0	..	..
Chile	15	14	-1.20	-1.36	0	0	..	..	5	4	-0.94	-4.36
Colombia	10	10	-1.60	0.04	0	0	..	..	0	0	..	..
Mexico	60	68	1.75	1.28	11	9	-9.32	-2.00	0	0	..	2.37
Paraguay	4	5	1.85	1.63	0	0	..	..	0	0	..	..
EUROPE	1 301	1 406	0.16	0.40	207	221	-4.44	0.62	31	31	14.22	-1.40
European Union	938	993	-0.85	0.23	195	212	-4.19	0.76	24	26	20.23	-0.48
Russia	215	251	2.60	0.86	4	1	-13.59	-10.95	0	..	..	..
Ukraine	15	19	-3.30	2.59	0	0	..	..	0	0	..	..
AFRICA	2 966	3 737	0.69	2.38	32	36	-4.62	1.55	32	35	3.31	1.70
Egypt	129	143	-1.19	1.00	1	0	-17.69	-0.04	0	0	..	..
Ethiopia	162	223	1.13	3.29	0	0	..	..	17	21	10.30	3.99
Nigeria	383	475	-0.44	2.43	0	0	..	..	0	0	..	..
South Africa	200	234	2.17	1.46	9	9	-6.29	0.49	1	1	17.86	-0.07
ASIA	8 478	10 367	2.03	1.88	556	629	6.83	1.10	38	16	-4.92	-7.97
China ¹	4 542	5 601	2.43	1.90	226	238	21.86	-0.11	2	4	-20.27	0.12
India	738	827	-0.95	1.24	0	0	..	..	22	6	-1.11	-12.34
Indonesia	106	135	-1.58	2.52	3	14	17.70	17.62	0	0	..	..
Iran	310	351	0.77	1.18	3	7	11.90	3.97	0	0	..	..
Japan	0	0	..	..	20	17	-8.53	-2.28	..	..	..	..
Kazakhstan	162	187	2.49	1.40	0	0	..	..	0	0	-12.61	-6.83
Korea	1	1	-4.24	0.00	12	11	15.81	0.94	0	0	..	..
Malaysia	1	1	1.01	1.15	34	44	8.88	2.30	0	0	1.53	..
Pakistan	477	596	1.64	2.23	0	0	..	..	8	1	-2.68	-23.61
Philippines	57	68	0.60	1.76	1	3	5.72	15.01	0	0	..	..
Saudi Arabia	0	0	..	..	51	52	-0.79	1.03	2	1	-4.48	-1.02
Thailand	2	2	2.61	1.08	2	2	10.95	2.38	0	0	..	..
Turkey	380	471	3.70	2.07	1	1	6.57	-6.11	0	0	..	..
Viet Nam	8	8	-1.20	0.28	1	5	-17.50	15.33	0	0	..	..
OCEANIA	1 191	1 396	0.14	1.48	28	29	-5.46	0.95	927	1 079	1.71	1.66
Australia	735	889	1.64	1.72	..	..	..	..	463	608	4.43	2.45
New Zealand	455	506	-1.96	1.07	5	4	-3.45	0.00	464	471	-0.58	0.72
DEVELOPED COUNTRIES	3 502	4 045	0.95	1.23	362	373	-2.93	0.28	974	1 124	2.07	1.53
DEVELOPING COUNTRIES	10 915	13 385	1.44	1.96	606	679	5.42	1.06	84	69	-3.83	-1.67
LEAST DEVELOPED COUNTRIES (LDC)	1 320	1 719	1.93	2.66	4	6	-2.92	2.56	0	0	..	..
OECD²	2 721	3 086	0.21	1.08	372	382	-2.48	0.28	969	1 121	2.02	1.55
BRICS	5 813	7 042	1.92	1.75	244	253	15.62	-0.18	25	11	-4.59	-8.21

.. Not available

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Gross indigenous production.
4. Least-squares growth rate (see glossary).
5. Excludes trade of live animals.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	CONSUMPTION (kt cwe)		Growth (%) ³		FOOD (kg rwe/cap) ⁴		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	14 436	17 410	1.47	1.78	1.7	1.8	0.28	0.79
NORTH AMERICA	193	195	0.37	0.14	0.5	0.4	-0.39	-0.57
Canada	37	34	-0.33	-0.58	0.9	0.8	-1.35	-1.39
United States	156	160	0.55	0.31	0.4	0.4	-0.19	-0.39
LATIN AMERICA	403	433	-0.07	0.63	0.6	0.5	-1.19	-0.22
Argentina	60	66	2.92	0.80	1.2	1.2	1.87	-0.06
Brazil	125	134	0.97	0.60	0.5	0.5	0.06	0.00
Chile	10	10	-1.11	-0.05	0.5	0.5	-1.99	-0.72
Colombia	10	10	-1.77	0.05	0.2	0.2	-2.73	-0.59
Mexico	75	83	-0.62	0.79	0.5	0.5	-2.01	-0.27
Paraguay	4	5	1.84	1.63	0.5	0.6	0.50	0.50
EUROPE	1 428	1 562	-1.18	0.63	1.7	1.9	-1.28	0.64
European Union	1 061	1 148	-2.30	0.58	1.8	2.0	-2.46	0.52
Russia	219	250	2.18	0.67	1.3	1.5	2.09	0.83
Ukraine	15	19	-3.34	2.61	0.3	0.4	-2.86	3.15
AFRICA	2 898	3 698	0.56	2.48	2.1	2.0	-2.00	0.09
Egypt	129	143	-1.36	1.00	1.2	1.1	-3.42	-0.60
Ethiopia	145	201	0.46	3.22	1.2	1.3	-2.11	0.93
Nigeria	387	479	-0.42	2.39	1.8	1.7	-3.03	-0.15
South Africa	223	255	2.44	1.35	3.5	3.6	1.07	0.33
ASIA	9 225	11 231	2.48	1.84	1.8	2.0	1.42	1.09
China ¹	4 767	5 835	2.99	1.81	3.0	3.6	2.44	1.61
India	706	811	-0.87	1.45	0.5	0.5	-2.09	0.48
Indonesia	109	149	-1.21	3.35	0.4	0.5	-2.43	2.42
Iran	298	349	1.63	1.50	3.3	3.5	0.40	0.75
Japan	20	17	-8.53	-2.28	0.1	0.1	-8.44	-1.94
Kazakhstan	162	187	2.48	1.40	7.9	8.3	0.97	0.53
Korea	13	12	12.23	0.86	0.2	0.2	11.78	0.58
Malaysia	36	46	8.38	2.19	1.0	1.1	6.51	0.96
Pakistan	469	596	1.74	2.34	2.1	2.2	-0.34	0.62
Philippines	58	71	0.68	2.04	0.5	0.5	-0.94	0.62
Saudi Arabia	188	201	3.98	0.65	5.1	4.6	1.20	-0.79
Thailand	3	4	5.84	1.72	0.0	0.1	..	..
Turkey	381	472	3.53	2.06	4.2	4.8	1.95	1.43
Viet Nam	9	13	-5.43	3.72	0.1	0.1	..	2.78
OCEANIA	289	291	-2.06	0.42	6.5	5.7	-3.58	-0.82
Australia	235	246	-0.94	0.42	8.6	7.9	-2.41	-0.71
New Zealand	31	20	-4.34	-0.26	5.8	3.4	-5.36	-1.06
DEVELOPED COUNTRIES	2 846	3 210	0.23	1.06	1.8	1.9	-0.18	0.77
DEVELOPING COUNTRIES	11 590	14 200	1.79	1.94	1.7	1.8	0.41	0.81
LEAST DEVELOPED COUNTRIES (LDC)	1 274	1 701	1.87	2.85	1.4	1.5	-0.50	0.58
OECD²	2 075	2 263	-0.93	0.78	1.4	1.4	-1.49	0.39
BRICS	6 039	7 284	2.38	1.69	1.7	1.9	1.52	1.13

.. Not available

Note: Calendar year; except year ending 30 September for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).
4. Per capita consumption expressed in retail weight. Carcass weight to retail weight conversion factors of 0.7 for beef and veal, 0.78 for pigmeat and 0.88 for both sheep meat and poultry meat.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.30. Main policy assumptions for meat markets

		Average 2015-17 ^{est}	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ARGENTINA												
Beef export tax	%	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANADA												
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	89.6	95.7	96.9	98.1	99.3	100.5	101.6	102.8	104.0	105.2	106.4
In-quota tariff	%	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Out-of-quota tariff	%	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6
EUROPEAN UNION¹												
Voluntary coupled support												
Beef and veal ²	mln EUR	1 698	1 694	1 693	1 693	1 693	1 693	1 693	1 693	1 693	1 693	1 693
Sheep and goat meat ³	mln EUR	481	487	491	496	496	496	496	496	496	496	496
Beef basic price ⁴	EUR/kg dwt	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Beef buy-in price ^{4,5}	EUR/kg dwt	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Beef tariff-quota	kt cwe	332.7	350.6	359.8	369.0	378.3	387.5	389.0	390.6	392.2	392.7	393.2
Pig tariff-quota	kt cwe	167.5	190.1	203.5	216.9	230.3	245.7	246.6	247.5	248.4	249.3	250.2
Poultry tariff-quota	kt rtc	1 008.7	1 014.7	1 017.9	1 021.1	1 024.3	1 026.3	1 028.4	1 030.5	1 032.5	1 034.6	1 036.7
Sheep meat tariff-quota	kt cwe	294.7	295.6	296.1	296.3	296.5	296.7	296.9	297.1	297.1	297.5	297.7
JAPAN⁶												
Beef stabilisation prices												
Upper price	JPY/kg dwt	1 165.0	1 215.0	1 215.0	1 215.0	1 215.0	1 215.0	1 215.0	1 215.0	1 215.0	1 215.0	1 215.0
Lower price	JPY/kg dwt	885.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0
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 stabilisation prices												
Upper price	JPY/kg dwt	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0
Lower price	JPY/kg dwt	441.7	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0
Pig meat import system												
Tariff	%	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Standard import price	JPY/kg dwt	409.9	409.9	409.9	409.9	409.9	409.9	409.9	409.9	409.9	409.9	409.9
Poultry meat tariff	%	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
KOREA												
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	%	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
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
MEXICO⁷												
Beef and veal tariff-quota	kt pw	220.0	220.0	220.0	..	..	..	..	..	..	..	..
In-quota tariff	%	0.0	0.0	0.0	..	..	..	..	..	..	..	..
Out-of-quota tariff ⁸	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Poultry meat tariff-quota	kt pw	300.0	300.0	300.0	..	..	..	..	..	..	..	..
In-quota tariff	%	0.0	0.0	0.0	..	..	..	..	..	..	..	..
Out-of-quota tariff	%	100.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
RUSSIA												
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	%	51.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
Pigmeat tariff-quota ⁹	kt pw	430.0	430.0	430.0	..	..	..	..	..	..	..	..
In-quota tariff	%	0.0	0.0	0.0	..	..	..	..	..	..	..	..
Out-of-quota tariff	%	65.0	65.0	65.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Poultry tariff-quota	kt pw	360.7	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0
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
UNITED STATES												
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

ANNEX A

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

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
CHINA												
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	%	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
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	%	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
INDIA												
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	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
SOUTH AFRICA												
Sheep meat tariff-quota	kt pw	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
In-quota tariff	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
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

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

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. Implemented in 24 Member States.
3. Implemented in 22 Member States.
4. Price for R3 grade male cattle.
5. Safety-net trigger.
6. Year beginning 1 April.
7. Intended for countries which whom Mexico has no free trade agreements.
8. 25% for frozen beef.
9. Eliminated in 2020 and replaced by import tariff.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.31.1. Butter projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	11 081	14 060	2.46	2.16	834	1 024	1.97	1.93	915	1 076	0.38	1.83
NORTH AMERICA	931	1 107	1.80	1.63	43	26	11.78	-5.74	18	34	-10.25	5.75
Canada	93	118	1.33	1.00	18	7	15.01	0.00	0	0	-6.82	-15.99
United States	838	990	1.86	1.71	26	18	10.11	-7.32	18	34	-10.27	5.95
LATIN AMERICA	457	537	3.61	1.64	58	59	0.32	0.08	44	52	2.55	3.07
Argentina	38	54	-4.34	4.72	0	0	..	..	7	16	-8.63	8.14
Brazil	100	110	3.08	0.91	3	3	1.77	-0.58	2	1	-7.71	-0.25
Chile	23	30	3.42	2.25	5	6	36.86	-0.95	4	4	11.61	0.96
Colombia	21	27	0.42	2.23	0	0	..	..	0	0	..	..
Mexico	202	230	8.07	1.25	30	35	-1.24	1.48	12	12	..	..
Paraguay	0	0	..	..	0	0	4.83	0.00	0	0	2.89	0.04
EUROPE	2 960	3 289	1.26	1.04	119	180	-2.88	3.14	296	388	1.52	3.09
European Union	2 343	2 632	1.47	1.17	4	13	-28.18	0.98	187	254	0.54	3.85
Russia	314	326	-0.69	0.24	108	160	3.37	3.55	3	2	-4.81	0.00
Ukraine	104	125	4.26	1.54	1	1	-20.23	0.53	14	28	31.95	4.72
AFRICA	312	322	1.42	0.16	124	162	-1.32	3.35	8	7	-1.35	-1.29
Egypt	123	130	0.10	0.46	55	67	1.23	2.53	1	1	-19.08	-0.44
Ethiopia	18	21	12.78	1.93	0	0	..	..	0	0	..	..
Nigeria	13	15	2.02	1.27	6	9	-12.81	4.84	0	0	..	..
South Africa	12	16	0.23	3.30	5	5	7.53	-1.24	4	3	15.29	1.25
ASIA	5 700	8 027	3.20	3.03	451	535	4.33	1.77	37	40	-0.80	0.66
China ¹	98	124	-1.20	1.50	82	124	21.89	2.44	1	1	-13.04	1.00
India	4 170	5 866	3.82	3.05	4	3	-3.28	-3.85	8	12	-4.48	4.32
Indonesia	0	0	..	..	24	30	11.25	1.45	0	0	..	..
Iran	212	236	0.99	1.02	46	54	-1.75	2.50	1	1	0.34	-0.24
Japan	63	60	-2.52	-0.36	13	10	18.18	-2.34	0	0	..	..
Kazakhstan	13	14	-2.17	0.57	6	8	-1.41	0.72	0	0	..	..
Korea	3	6	0.52	8.33	8	13	7.78	2.84	0	0	..	..
Malaysia	0	0	..	..	20	21	7.27	0.33	8	9	14.49	-0.33
Pakistan	730	1 289	2.12	4.94	0	0	..	..	0	0	0.84	-1.44
Philippines	0	0	..	..	27	40	5.57	2.40	0	0	..	..
Saudi Arabia	5	4	-1.07	0.62	51	52	11.73	1.24	4	3	6.88	-1.23
Thailand	0	0	..	..	13	13	4.19	-0.37	1	1	18.13	0.37
Turkey	209	242	4.92	1.22	14	3	3.63	-10.05	0	0	3.52	0.90
Viet Nam	0	0	..	..	8	12	-1.62	4.69	0	0	..	..
OCEANIA	720	777	2.59	0.74	38	61	6.51	3.49	513	555	0.77	0.87
Australia	109	108	-2.94	-1.90	31	52	8.88	3.89	25	15	-13.06	-10.47
New Zealand	609	667	3.92	1.24	2	2	10.40	0.00	488	540	2.15	1.42
DEVELOPED COUNTRIES	4 737	5 294	1.46	1.07	237	310	0.67	1.98	831	981	0.43	1.84
DEVELOPING COUNTRIES	6 343	8 766	3.26	2.88	597	714	2.73	1.91	84	95	0.09	1.75
LEAST DEVELOPED COUNTRIES (LDC)	184	177	2.17	-0.62	15	31	9.42	11.78	2	2	8.48	-4.56
OECD²	4 562	5 153	2.01	1.19	152	162	0.99	-0.10	738	864	0.20	1.83
BRICS	4 695	6 443	3.30	2.82	202	295	6.34	2.83	17	19	-3.73	2.71

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.31.2. Butter projections: Consumption, food

Calendar year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	11 005	14 008	2.60	2.18	1.5	1.7	1.40	1.20
NORTH AMERICA	941	1 100	2.46	1.38	2.6	2.8	1.68	0.66
Canada	104	126	2.08	1.89	2.9	3.2	1.04	1.06
United States	837	974	2.51	1.31	2.6	2.8	1.76	0.61
LATIN AMERICA	477	545	3.68	1.19	0.7	0.8	2.51	0.34
Argentina	36	38	2.16	1.25	0.8	0.8	1.12	0.39
Brazil	101	112	3.23	0.87	0.5	0.5	2.30	0.27
Chile	24	32	5.39	1.77	1.4	1.6	4.45	1.09
Colombia	21	27	0.53	2.23	0.4	0.5	-0.45	1.57
Mexico	220	253	5.69	1.32	1.7	1.8	4.21	0.26
Paraguay	0	0	..	..	0.0	0.0	..	..
EUROPE	2 797	3 081	1.13	0.94	3.8	4.2	1.02	0.96
European Union	2 173	2 391	1.44	0.96	4.3	4.7	1.28	0.90
Russia	419	484	-0.02	1.22	2.9	3.4	-0.10	1.38
Ukraine	92	98	1.63	0.79	2.1	2.3	2.13	1.33
AFRICA	428	477	0.63	1.16	0.3	0.3	-1.93	-1.20
Egypt	177	195	0.77	1.13	1.9	1.7	-1.34	-0.47
Ethiopia	18	21	12.73	1.93	0.2	0.2	-2.60	-0.33
Nigeria	19	23	-6.08	2.47	0.1	0.1	-8.54	-0.07
South Africa	14	18	-0.34	2.22	0.2	0.3	-1.67	1.18
ASIA	6 113	8 522	3.32	2.96	1.4	1.8	2.25	2.21
China ¹	179	247	5.35	1.97	0.1	0.2	4.79	1.76
India	4 167	5 857	3.81	3.04	3.1	4.0	2.54	2.05
Indonesia	24	30	12.17	1.47	0.1	0.1	10.78	0.56
Iran	256	290	0.48	1.29	3.2	3.3	-0.73	0.54
Japan	75	69	-1.22	-0.66	0.6	0.6	-1.13	-0.32
Kazakhstan	19	22	-1.89	0.62	1.1	1.1	-3.34	-0.25
Korea	11	18	4.12	4.77	0.2	0.3	3.70	4.49
Malaysia	12	12	4.32	0.83	0.4	0.3	2.52	-0.39
Pakistan	730	1 288	2.12	4.94	3.8	5.5	0.03	3.18
Philippines	27	40	5.52	2.41	0.3	0.3	3.83	0.99
Saudi Arabia	52	53	9.82	1.37	1.6	1.4	6.88	-0.08
Thailand	12	12	3.57	-0.43	0.2	0.2	3.14	-0.51
Turkey	223	244	4.89	0.99	2.8	2.8	3.29	0.37
Viet Nam	8	12	-1.60	4.71	0.1	0.1	-2.68	3.81
OCEANIA	249	283	6.73	1.02	6.3	6.3	5.07	-0.23
Australia	118	145	5.81	1.53	4.9	5.3	4.25	0.40
New Zealand	123	129	9.84	0.49	26.5	25.3	8.67	-0.32
DEVELOPED COUNTRIES	4 143	4 625	1.57	1.02	2.9	3.2	1.15	0.73
DEVELOPING COUNTRIES	6 861	9 384	3.28	2.81	1.1	1.4	1.88	1.66
LEAST DEVELOPED COUNTRIES (LDC)	197	206	2.52	0.50	0.2	0.2	0.13	-1.72
OECD²	3 976	4 451	2.30	1.07	3.0	3.2	1.72	0.67
BRICS	4 880	6 719	3.43	2.82	1.6	2.0	2.56	2.24

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.32.1. Cheese projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	22 809	26 507	1.58	1.25	2 364	2 924	3.93	1.85	2 430	3 036	2.58	1.78
NORTH AMERICA	5 716	6 806	2.06	1.73	190	180	0.53	-2.05	329	434	14.70	5.59
Canada	450	530	2.58	1.38	24	31	1.36	1.38	13	0	4.38	-46.73
United States	5 266	6 275	2.01	1.76	166	148	0.38	-2.66	316	434	15.38	6.09
LATIN AMERICA	2 405	2 842	2.58	1.65	330	430	6.83	2.23	144	140	1.16	-0.53
Argentina	547	635	1.03	1.86	1	1	-15.19	0.00	45	52	0.72	1.74
Brazil	753	933	2.71	2.03	34	45	15.82	1.93	3	6	-8.59	5.48
Chile	94	125	5.15	2.52	35	46	23.26	0.65	6	6	-7.92	-0.61
Colombia	59	74	0.30	2.08	3	1	29.86	-8.74	0	0	..	..
Mexico	371	414	5.42	0.79	125	164	7.83	2.59	1	3	16.35	12.35
Paraguay	0	0	..	..	3	4	17.46	1.01	0	0	..	..
EUROPE	11 372	12 968	1.33	0.95	384	521	-3.03	2.40	1 097	1 523	3.57	2.31
European Union	10 057	11 471	1.26	0.93	61	59	-4.40	1.20	789	1 137	4.77	2.30
Russia	624	710	4.59	0.97	214	340	-4.76	3.25	14	10	-1.18	0.00
Ukraine	129	133	-8.47	0.25	7	20	-5.56	10.18	9	3	-26.65	-9.24
AFRICA	984	1 137	0.37	0.87	167	211	3.26	4.37	98	85	-5.95	-3.87
Egypt	642	728	0.27	0.73	32	35	3.72	4.72	66	59	-8.27	-4.51
Ethiopia	6	9	0.22	4.26	0	0	0.78	..	0	0	..	..
Nigeria	11	15	2.68	3.44	1	1	-22.23	5.62	0	0	..	..
South Africa	44	37	0.02	-2.19	13	22	13.45	6.39	9	6	27.69	-6.01
ASIA	1 614	1 936	1.26	1.54	1 172	1 438	7.43	1.92	263	280	-2.11	0.09
China ¹	252	317	-1.28	1.43	95	179	27.20	4.80	0	0	..	..
India	3	4	3.47	1.12	2	2	12.00	-0.51	5	7	11.11	0.51
Indonesia	0	0	..	..	23	34	8.39	2.95	2	2	15.60	-2.86
Iran	296	331	1.01	1.10	0	0	..	..	49	42	24.82	-2.66
Japan	47	49	0.86	0.30	247	254	3.72	0.30	0	0	..	..
Kazakhstan	26	31	5.34	0.18	20	22	-1.87	3.78	0	0	..	..
Korea	27	28	1.22	-0.27	114	163	11.42	3.61	0	0	..	..
Malaysia	0	0	..	..	22	30	11.51	2.73	0	0	..	..
Pakistan	0	0	..	..	4	5	15.98	4.61	0	0	..	..
Philippines	2	3	0.00	3.06	29	52	9.26	4.65	0	0	-22.61	..
Saudi Arabia	198	233	3.50	1.36	169	194	9.92	1.19	129	116	-6.89	-1.18
Thailand	5	2	0.00	-8.48	14	22	15.06	3.33	0	0	15.45	-3.22
Turkey	201	274	3.74	2.97	11	6	12.09	-4.52	46	81	10.44	4.74
Viet Nam	0	0	..	..	4	6	-1.07	4.56	0	0	..	..
OCEANIA	717	819	0.93	0.83	121	145	6.32	0.93	500	574	1.27	0.69
Australia	348	372	0.11	0.45	107	129	6.67	0.91	168	171	0.65	-0.33
New Zealand	369	447	1.78	1.16	8	9	5.36	0.00	332	403	1.66	1.16
DEVELOPED COUNTRIES	18 174	21 005	1.54	1.19	999	1 172	0.38	1.03	1 944	2 546	4.28	2.36
DEVELOPING COUNTRIES	4 635	5 502	1.74	1.51	1 365	1 752	7.48	2.44	486	490	-2.50	-0.81
LEAST DEVELOPED COUNTRIES (LDC)	186	241	2.55	2.01	27	57	9.97	14.95	0	0	..	..
OECD²	17 622	20 365	1.61	1.19	975	1 107	4.34	0.84	1 749	2 300	4.79	2.34
BRICS	1 676	2 001	2.57	1.45	359	588	0.35	3.69	31	28	3.48	-0.65

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.32.2. Cheese projections: Consumption, food

Calendar year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	22 705	26 376	1.70	1.24	3.0	3.2	0.51	0.27
NORTH AMERICA	5 526	6 532	1.49	1.33	15.4	16.8	0.72	0.62
Canada	451	560	2.04	1.62	12.4	14.1	1.00	0.79
United States	5 075	5 971	1.45	1.31	15.8	17.2	0.70	0.60
LATIN AMERICA	2 591	3 132	3.14	1.84	4.1	4.5	1.98	0.98
Argentina	502	583	0.99	1.86	11.5	12.1	-0.04	1.00
Brazil	784	972	3.08	2.01	3.8	4.4	2.16	1.40
Chile	123	164	9.95	2.10	6.9	8.5	8.98	1.42
Colombia	61	75	1.33	1.87	1.3	1.4	0.33	1.22
Mexico	494	575	5.98	1.24	3.9	4.0	4.49	0.17
Paraguay	3	4	21.37	1.12	0.4	0.5	16.50	0.00
EUROPE	10 675	11 965	0.95	0.84	14.4	16.1	0.84	0.86
European Union	9 344	10 393	0.98	0.80	18.4	20.3	0.81	0.74
Russia	825	1 039	1.40	1.67	5.7	7.3	1.31	1.84
Ukraine	128	151	-4.19	1.50	2.9	3.6	-3.72	2.03
AFRICA	1 054	1 262	1.65	1.81	0.9	0.8	-0.93	-0.57
Egypt	607	705	2.03	1.51	6.4	6.1	-0.10	-0.10
Ethiopia	6	10	0.23	4.35	0.1	0.1	-2.33	2.05
Nigeria	11	16	-6.09	3.53	0.1	0.1	-8.56	0.97
South Africa	47	53	-0.04	1.17	0.8	0.8	-1.37	0.15
ASIA	2 522	3 094	4.27	1.86	0.6	0.6	3.19	1.11
China ¹	347	496	2.44	2.55	0.2	0.3	1.89	2.34
India	0	0	..	..	0.0	0.0	..	..
Indonesia	21	32	7.74	3.48	0.1	0.1	6.41	2.55
Iran	247	289	-0.94	1.80	3.1	3.3	-2.14	1.05
Japan	294	303	3.22	0.30	2.3	2.5	3.31	0.65
Kazakhstan	46	53	1.96	1.50	2.6	2.6	0.45	0.62
Korea	140	191	8.70	2.95	2.8	3.6	8.26	2.67
Malaysia	21	30	11.46	2.82	0.7	0.8	9.54	1.58
Pakistan	4	5	16.01	4.61	0.0	0.0	..	..
Philippines	31	55	10.63	4.58	0.3	0.5	8.85	3.13
Saudi Arabia	238	310	30.78	2.39	7.4	8.1	27.28	0.93
Thailand	18	24	9.27	1.76	0.3	0.3	8.82	1.68
Turkey	166	198	2.69	2.00	2.1	2.3	1.12	1.38
Viet Nam	4	6	-1.06	4.56	0.0	0.1	..	..
OCEANIA	337	391	1.95	1.07	8.6	8.6	0.37	-0.18
Australia	285	330	1.73	1.06	11.8	12.0	0.22	-0.07
New Zealand	45	53	3.41	1.00	9.7	10.4	2.31	0.19
DEVELOPED COUNTRIES	17 192	19 611	1.19	1.01	12.2	13.5	0.77	0.73
DEVELOPING COUNTRIES	5 513	6 764	3.45	1.94	0.9	1.0	2.05	0.80
LEAST DEVELOPED COUNTRIES (LDC)	213	299	3.29	3.56	0.3	0.3	0.88	1.27
OECD²	16 811	19 153	1.46	1.02	12.7	13.8	0.89	0.62
BRICS	2 004	2 560	2.12	1.95	0.6	0.8	1.26	1.39

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	4 505	5 163	3.87	1.31	2 248	2 787	7.08	1.61	2 308	2 848	8.25	1.57
NORTH AMERICA	1 153	1 355	3.36	1.26	2	2	-5.41	-2.35	610	814	8.99	2.23
Canada	102	115	2.83	-1.06	1	1	-9.72	-7.03	28	39	15.59	-2.40
United States	1 051	1 239	3.41	1.51	1	1	14.19	2.24	582	775	8.72	2.54
LATIN AMERICA	298	371	4.20	2.09	398	432	6.49	0.05	88	145	13.58	0.92
Argentina	38	47	3.40	2.80	0	0	..	..	25	33	7.72	3.16
Brazil	155	184	2.87	1.61	21	21	17.18	0.56	0	0	..	..
Chile	28	40	11.99	2.77	11	9	10.36	-2.17	1	1	-4.72	1.39
Colombia	4	6	-5.60	4.62	10	12	47.08	0.42	0	0	..	..
Mexico	43	57	9.76	2.44	288	318	6.31	0.17	40	87	99.69	0.00
Paraguay	0	0	..	..	0	0	..	..	0	0	..	..
EUROPE	1 858	2 065	5.69	1.19	170	188	25.31	-0.52	846	1 034	13.81	1.50
European Union	1 530	1 687	6.79	1.19	3	2	-4.53	-1.02	686	844	18.13	1.52
Russia	70	65	-0.46	-1.97	135	156	35.78	-0.53	1	1	12.68	-3.61
Ukraine	112	132	0.02	1.36	0	0	-22.38	0.17	34	29	2.42	-2.16
AFRICA	19	27	0.11	3.65	361	463	4.60	2.53	11	12	4.97	1.10
Egypt	0	0	..	..	77	109	10.40	3.72	0	0	..	..
Ethiopia	0	0	..	..	0	0	-12.13	..	0	0	..	..
Nigeria	0	0	..	..	48	65	6.91	2.55	0	0	..	..
South Africa	15	22	0.16	4.00	7	6	9.84	-2.67	6	9	11.04	2.74
ASIA	417	487	0.69	1.54	1 304	1 689	6.75	2.08	146	146	8.23	-0.65
China ¹	40	35	-4.32	-0.40	200	351	16.70	4.85	1	0	-1.97	0.00
India	222	286	5.67	2.28	0	0	-31.65	-0.50	15	8	-1.44	-3.15
Indonesia	0	0	..	..	156	205	6.75	2.19	1	1	3.16	-2.14
Iran	0	0	..	..	16	30	7.95	0.00	16	30	23.89	0.00
Japan	125	116	-3.52	-0.65	38	35	3.28	-0.54	0	0	..	..
Kazakhstan	3	2	-0.86	-1.79	16	23	8.70	1.59	0	0	..	..
Korea	12	25	-1.45	8.94	21	19	14.11	-0.92	0	0	..	..
Malaysia	0	0	..	..	139	145	7.38	0.94	36	30	26.77	-0.93
Pakistan	0	0	..	..	44	63	22.06	3.37	1	1	0.12	-3.26
Philippines	0	0	..	..	149	202	5.66	1.49	0	0	..	..
Saudi Arabia	0	0	..	..	59	66	2.36	1.48	11	9	12.98	-1.45
Thailand	0	0	..	..	68	61	1.88	-0.43	6	9	20.55	0.43
Turkey	0	0	..	..	34	39	16.28	0.00	34	39	91.78	0.00
Viet Nam	0	0	..	..	45	68	1.77	4.14	0	0	..	..
OCEANIA	760	858	2.67	1.18	14	14	9.71	0.25	608	697	2.47	1.59
Australia	234	248	1.49	1.05	8	8	8.85	0.00	163	176	1.51	2.62
New Zealand	526	610	3.27	1.23	4	4	12.30	0.00	445	521	2.89	1.27
DEVELOPED COUNTRIES	3 924	4 432	3.91	1.17	260	281	14.66	-0.38	2 071	2 555	8.05	1.75
DEVELOPING COUNTRIES	581	731	3.63	2.22	1 987	2 506	6.35	1.85	237	292	9.97	0.08
LEAST DEVELOPED COUNTRIES (LDC)	0	0	..	..	102	144	10.40	2.74	3	2	4.62	-2.25
OECD²	3 688	4 184	4.17	1.22	439	463	7.47	-0.07	1 992	2 497	8.86	1.67
BRICS	502	593	2.58	1.40	364	533	19.56	2.70	23	18	1.14	-0.67

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.33.2. Skim milk powder projections: Consumption, food

Calendar year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	4 348	5 096	3.45	1.13	0.6	0.6	3.14	0.37
NORTH AMERICA	534	543	-0.82	0.01	1.4	1.3	-0.56	-0.64
Canada	64	77	-1.62	0.03	0.6	0.6	-9.16	0.54
United States	470	466	-0.71	0.00	1.5	1.3	0.08	-0.69
LATIN AMERICA	608	658	4.68	0.95	0.9	0.8	3.55	-0.02
Argentina	13	14	2.82	1.97	0.3	0.3	1.77	1.11
Brazil	176	205	3.82	1.50	0.6	0.6	2.74	0.64
Chile	38	48	13.60	1.61	2.1	2.5	12.60	0.94
Colombia	14	18	23.00	1.66	0.3	0.3	9.68	1.01
Mexico	291	288	4.79	0.64	2.3	2.0	3.31	-0.42
Paraguay	0	0	-13.44	1.12	0.0	0.0	..	..
EUROPE	1 096	1 219	3.06	-0.04	1.3	1.5	5.83	0.67
European Union	761	845	1.63	-0.14	1.3	1.5	5.29	0.83
Russia	204	220	11.77	-0.97	1.4	1.5	11.68	-0.81
Ukraine	78	103	-0.91	2.65	1.8	2.5	-0.42	3.19
AFRICA	369	478	4.34	2.63	0.3	0.3	1.68	0.23
Egypt	77	109	10.58	3.72	0.8	0.9	8.27	2.08
Ethiopia	0	0	-12.02	2.26	0.0	0.0	..	..
Nigeria	48	65	7.19	2.55	0.3	0.3	4.38	0.01
South Africa	17	20	0.38	1.98	0.3	0.3	-0.96	0.95
ASIA	1 572	2 023	4.70	2.10	0.3	0.4	3.69	1.40
China ¹	240	386	10.30	4.25	0.2	0.3	8.09	4.04
India	207	278	5.39	2.49	0.2	0.2	4.65	1.50
Indonesia	155	204	6.79	2.21	0.6	0.7	5.47	1.30
Iran	0	0	..	..	0.0	0.0	..	..
Japan	162	152	-1.99	-0.58	1.1	1.0	-2.46	-0.13
Kazakhstan	19	25	7.67	1.22	1.0	1.3	6.07	0.34
Korea	32	37	3.52	-0.28	0.6	0.7	3.11	-0.55
Malaysia	103	115	4.05	1.49	3.3	3.2	2.26	0.26
Pakistan	44	62	22.85	3.46	0.2	0.3	10.73	1.72
Philippines	149	202	5.68	1.49	1.4	1.7	3.98	0.08
Saudi Arabia	48	57	8.02	2.00	1.5	1.5	5.13	0.55
Thailand	62	52	0.69	-0.57	0.9	0.7	0.27	-0.65
Turkey	0	0	..	..	0.0	0.0	..	..
Viet Nam	44	68	1.86	4.17	0.5	0.7	0.75	3.27
OCEANIA	169	174	6.01	-0.37	4.3	3.9	4.36	-1.60
Australia	83	79	5.89	-1.77	3.4	2.9	4.33	-2.87
New Zealand	85	93	6.37	0.99	18.2	18.2	5.24	0.18
DEVELOPED COUNTRIES	2 018	2 158	1.63	-0.05	1.3	1.4	2.84	0.08
DEVELOPING COUNTRIES	2 331	2 938	5.30	2.08	0.4	0.4	3.90	0.95
LEAST DEVELOPED COUNTRIES (LDC)	99	141	10.61	2.85	0.1	0.1	2.49	0.58
OECD²	2 039	2 143	1.47	0.01	1.4	1.4	2.48	0.04
BRICS	844	1 109	7.59	2.05	0.3	0.3	6.94	1.48

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.34.1. Whole milk powder projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	5 317	6 346	3.46	1.57	2 365	2 691	2.65	1.27	2 461	2 691	3.20	1.27
NORTH AMERICA	55	56	5.90	1.19	17	21	1.17	0.00	20	28	5.51	2.87
Canada	9	8	-3.69	-1.03	2	2	-11.77	0.00	1	1	4.13	0.00
United States	47	48	8.93	1.62	14	19	6.01	0.00	20	27	5.57	2.95
LATIN AMERICA	1 415	1 983	2.30	2.60	336	264	-2.28	-2.22	310	389	2.50	2.51
Argentina	211	320	-0.09	3.23	1	1	-3.06	0.00	128	208	0.00	4.46
Brazil	563	811	1.24	3.24	99	52	11.27	-6.77	24	41	5.68	9.61
Chile	70	60	-2.87	-1.57	8	22	32.97	9.84	6	2	-9.39	-8.96
Colombia	41	70	0.24	4.55	22	12	63.24	-6.12	3	3	4.76	5.91
Mexico	218	254	0.80	1.23	38	10	7.92	-10.79	12	3	10.27	-13.88
Paraguay	0	0	..	..	1	1	7.09	0.00	1	1	-7.31	0.01
EUROPE	821	981	-0.86	1.83	51	43	23.63	-2.81	417	471	-2.73	1.81
European Union	722	854	-0.04	1.73	4	4	15.68	0.00	381	429	-2.65	1.64
Russia	27	47	-11.69	2.05	45	37	31.51	-3.22	1	0	5.83	..
Ukraine	7	4	-10.50	-2.04	0	0	-23.97	11.71	2	1	-16.86	-10.48
AFRICA	25	24	-0.24	-1.42	574	756	1.31	2.49	20	15	7.23	-3.08
Egypt	0	0	..	..	45	67	10.05	3.89	5	4	21.14	-3.74
Ethiopia	0	0	..	..	1	1	-5.50	2.26	0	0	..	..
Nigeria	0	0	..	..	89	120	-3.52	3.49	1	1	21.82	-3.37
South Africa	15	15	-0.44	0.22	4	5	9.00	3.09	6	4	6.48	-3.00
ASIA	1 573	1 746	4.38	0.74	1 357	1 576	4.68	1.61	281	248	-2.53	-0.57
China ¹	1 464	1 609	4.53	0.63	398	570	18.18	2.62	3	2	-20.46	0.01
India	5	7	2.82	3.90	0	0	..	..	1	3	-10.69	5.50
Indonesia	75	92	4.58	2.20	48	61	-3.35	1.68	2	1	-30.04	-0.77
Iran	1	1	0.29	1.10	3	2	-8.34	0.01	2	2	3.14	0.05
Japan	11	13	-3.43	2.60	0	0	-6.37	0.00	0	0	..	..
Kazakhstan	15	17	0.56	1.03	3	4	-2.28	3.65	0	0	..	..
Korea	2	5	-2.34	6.56	3	4	11.68	-1.15	0	0	..	..
Malaysia	0	0	..	..	39	38	1.01	0.07	25	24	0.77	-0.07
Pakistan	0	0	..	..	4	5	-6.20	2.00	1	1	-8.33	-1.96
Philippines	0	0	..	..	36	28	-5.05	1.65	18	4	-15.75	-1.62
Saudi Arabia	0	0	..	..	121	127	4.59	1.56	21	20	-1.67	-1.54
Thailand	0	0	..	..	47	49	8.38	-0.09	2	2	-11.09	0.09
Turkey	0	0	..	..	0	0	-26.93	0.00	0	0	..	..
Viet Nam	0	0	..	..	25	19	-5.91	0.74	9	9	27.78	-0.74
OCEANIA	1 427	1 556	7.21	1.19	29	31	7.10	-0.26	1 414	1 541	7.77	1.17
Australia	57	53	-11.62	-0.48	18	19	9.28	-0.64	57	53	-8.23	-0.92
New Zealand	1 370	1 503	9.26	1.25	4	5	25.01	0.00	1 356	1 487	9.23	1.25
DEVELOPED COUNTRIES	2 344	2 640	3.53	1.42	103	105	10.22	-1.06	1 857	2 043	4.47	1.32
DEVELOPING COUNTRIES	2 973	3 706	3.40	1.67	2 261	2 586	2.39	1.38	605	648	0.00	1.11
LEAST DEVELOPED COUNTRIES (LDC)	2	3	0.19	1.13	168	217	2.00	3.15	7	5	6.36	-2.69
OECD²	2 523	2 816	3.54	1.30	97	91	6.17	-0.74	1 834	2 003	4.61	1.21
BRICS	2 073	2 490	3.10	1.44	546	664	17.14	1.09	35	49	-3.40	6.14

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.34.2. Whole milk powder projections: Consumption, food

Calendar year

	CONSUMPTION (kt)		Growth (%) ³		FOOD (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	5 227	6 347	3.21	1.57	0.7	0.8	-0.05	0.60
NORTH AMERICA	53	50	3.73	0.57	0.1	0.1	0.83	-0.14
Canada	10	10	-7.06	-0.85	0.3	0.3	-8.01	-1.66
United States	42	40	9.58	0.97	0.1	0.1	-12.55	0.26
LATIN AMERICA	1 442	1 857	0.98	1.78	2.3	2.6	-0.15	0.92
Argentina	84	113	0.15	1.23	1.9	2.3	-0.88	0.38
Brazil	638	822	2.66	2.01	3.1	3.7	1.73	1.40
Chile	72	80	-0.72	0.83	4.0	4.2	-1.60	0.16
Colombia	60	79	6.33	1.97	1.2	1.5	5.29	1.32
Mexico	244	261	1.32	0.77	1.9	1.8	-0.10	-0.29
Paraguay	0	0	..	..	0.0	0.0	..	..
EUROPE	455	553	2.62	1.40	0.6	0.7	2.51	1.42
European Union	345	429	3.67	1.80	0.7	0.8	3.50	1.75
Russia	71	84	0.32	-0.38	0.5	0.6	0.23	-0.21
Ukraine	4	3	-2.48	2.59	0.1	0.1	-3.71	..
AFRICA	579	766	1.07	2.49	0.5	0.5	-1.50	0.09
Egypt	40	63	9.53	4.70	0.4	0.5	7.24	3.04
Ethiopia	1	1	-5.53	2.26	0.0	0.0	..	..
Nigeria	87	119	-3.67	3.57	0.5	0.5	-6.20	1.00
South Africa	13	17	-1.35	2.01	0.2	0.3	-2.66	0.98
ASIA	2 650	3 075	5.59	1.30	0.6	0.6	4.49	0.56
China ¹	1 859	2 177	6.64	1.11	1.3	1.5	6.08	0.91
India	4	5	35.99	3.00	0.0	0.0	..	..
Indonesia	121	152	4.23	1.99	0.5	0.5	2.95	1.08
Iran	1	1	-17.24	0.74	0.0	0.0	..	..
Japan	11	13	-3.33	2.58	0.1	0.1	-3.24	2.94
Kazakhstan	18	21	-0.32	1.44	1.0	1.1	-1.80	0.56
Korea	5	9	1.96	4.03	0.1	0.2	1.29	3.75
Malaysia	15	13	3.05	0.34	0.5	0.4	1.28	-0.87
Pakistan	3	4	-5.81	2.92	0.0	0.0	..	..
Philippines	19	24	23.75	2.40	0.2	0.2	3.80	0.97
Saudi Arabia	100	108	7.12	2.25	3.1	2.8	4.25	0.79
Thailand	45	47	11.09	-0.10	0.7	0.7	10.63	-0.18
Turkey	0	0	..	..	0.0	0.0	..	..
Viet Nam	15	9	-12.15	2.44	0.2	0.1	-8.78	..
OCEANIA	48	45	-1.18	0.86	1.2	1.0	-10.56	-0.39
Australia	25	19	-6.14	0.72	1.0	0.7	-7.53	-0.41
New Zealand	17	20	14.79	1.04	3.6	3.9	5.32	0.23
DEVELOPED COUNTRIES	598	701	1.94	1.34	0.4	0.5	-0.53	1.05
DEVELOPING COUNTRIES	4 629	5 645	3.39	1.60	0.8	0.8	1.98	0.47
LEAST DEVELOPED COUNTRIES (LDC)	164	216	1.82	3.29	0.2	0.2	-0.56	1.01
OECD²	793	906	1.75	1.33	0.6	0.7	-1.38	0.93
BRICS	2 584	3 104	5.31	1.31	0.8	0.9	4.42	0.74

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.35. Fresh dairy products projections: Production and food consumption

Calendar year

	PRODUCTION (kt)		Growth (%) ³		FOOD CONSUMPTION (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	415 523	520 846	2.09	2.19	55.4	62.3	0.89	1.22
NORTH AMERICA	26 625	25 289	-1.31	-0.38	74.3	65.2	-2.07	-1.09
Canada	2 909	3 099	-0.94	0.78	80.2	77.9	-1.95	-0.04
United States	23 716	22 190	-1.36	-0.53	73.6	63.8	-2.08	-1.22
LATIN AMERICA	33 864	39 736	0.20	1.63	52.7	56.2	-0.92	0.78
Argentina	1 601	1 657	-0.76	0.50	29.7	27.8	-2.02	-0.40
Brazil	14 856	18 821	2.67	2.27	71.6	84.6	1.75	1.65
Chile	487	652	-11.66	2.80	27.2	33.7	-12.45	2.12
Colombia	5 914	6 824	0.75	1.22	121.6	130.2	-0.24	0.57
Mexico	3 520	3 344	-1.99	-0.52	27.6	23.3	-3.37	-1.57
Paraguay	533	737	1.91	2.96	79.2	96.7	0.57	1.82
EUROPE	79 324	77 311	-0.67	-0.15	104.1	100.5	-0.93	-0.13
European Union	46 493	45 900	-0.09	-0.20	89.2	86.2	-0.50	-0.25
Russia	16 007	15 189	-1.63	-0.58	111.2	107.1	-1.71	-0.42
Ukraine	7 406	8 413	-1.47	1.51	166.6	200.5	-0.98	2.05
AFRICA	35 484	45 412	0.97	3.03	29.0	28.5	-1.60	0.62
Egypt	1 373	2 290	-1.61	5.08	14.4	20.0	-3.67	3.41
Ethiopia	3 215	5 184	-0.62	5.05	31.4	39.4	-3.16	2.73
Nigeria	250	319	4.27	2.44	1.3	1.3	1.53	-0.09
South Africa	2 628	2 991	0.53	1.21	46.9	47.6	-0.80	0.18
ASIA	237 125	329 571	4.20	3.04	53.3	68.0	3.16	2.29
China ¹	28 367	35 958	-1.12	1.82	20.6	25.4	-1.35	1.60
India	108 248	171 620	5.18	4.29	81.7	116.2	3.89	3.29
Indonesia	767	903	-1.59	1.57	2.9	3.1	-2.81	0.66
Iran	494	626	-14.72	1.71	6.2	7.1	-15.76	0.96
Japan	4 242	4 361	-1.06	0.30	33.2	35.4	-0.97	0.65
Kazakhstan	4 605	5 827	-0.44	2.30	256.1	292.9	-1.91	1.42
Korea	1 351	1 350	-0.15	-0.24	26.6	25.7	-0.55	-0.52
Malaysia	86	111	2.81	2.45	2.8	3.1	1.04	1.21
Pakistan	44 345	54 196	7.61	1.93	229.5	231.7	5.40	0.21
Philippines	8	11	-0.72	1.53	0.1	0.1	-2.32	0.12
Saudi Arabia	1 078	1 490	8.31	2.99	33.4	39.0	5.41	1.52
Thailand	1 050	1 219	3.75	1.10	15.2	17.5	3.32	1.02
Turkey	14 314	17 691	6.99	2.05	180.0	203.4	5.35	1.42
Viet Nam	620	917	10.28	3.59	6.6	8.8	9.08	2.69
OCEANIA	3 100	3 527	1.61	0.95	72.1	70.9	-0.46	-0.29
Australia	2 570	2 923	1.35	1.00	106.5	106.6	-0.16	-0.13
New Zealand	507	579	3.33	0.68	50.7	50.0	-1.75	-0.26
DEVELOPED COUNTRIES	136 345	138 997	-0.22	0.24	95.2	93.4	-0.73	-0.03
DEVELOPING COUNTRIES	279 178	381 849	3.40	3.01	46.2	55.6	2.03	1.86
LEAST DEVELOPED COUNTRIES (LDC)	19 535	23 044	3.67	2.69	24.6	22.6	1.25	0.42
OECD²	102 201	104 205	0.21	0.17	75.6	73.2	-0.47	-0.21
BRICS	170 106	244 579	2.87	3.33	54.4	73.3	2.05	2.75

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.36. Milk projections: Production, inventories, yield

Calendar year

	PRODUCTION (kt)		Growth (%) ³		INVENTORIES ('000 hd)		Growth (%) ³		YIELD (t/head)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	817 718	993 610	2.08	1.84	710 256	806 131	1.66	0.95	1.15	1.23	0.42	0.88
NORTH AMERICA	105 814	116 027	1.56	0.74	10 293	10 241	0.15	-0.11	10.28	11.33	1.40	0.85
Canada	9 577	11 241	1.94	1.16	947	944	-0.24	-0.16	10.11	11.91	2.19	1.32
United States	96 237	104 786	1.52	0.69	9 345	9 297	0.20	-0.11	10.30	11.27	1.33	0.80
LATIN AMERICA	75 066	88 822	0.39	1.67	50 790	52 252	1.38	0.24	1.48	1.70	-0.98	1.43
Argentina	10 308	11 396	0.09	1.34	2 306	2 408	-0.28	0.66	4.46	4.73	0.36	0.68
Brazil	28 771	35 884	0.10	2.18	25 141	25 572	1.76	0.21	1.17	1.40	-1.39	1.97
Chile	2 038	2 486	-2.95	1.72	1 262	1 272	-1.39	-0.04	1.61	1.95	-1.58	1.76
Colombia	7 000	8 323	0.67	1.49	6 662	7 145	4.66	0.20	1.05	1.16	-3.81	1.29
Mexico	12 080	13 105	1.42	0.71	2 482	2 630	0.75	0.51	4.87	4.98	0.66	0.20
Paraguay	533	737	1.92	2.96	239	294	2.59	1.42	2.23	2.51	-0.65	1.52
EUROPE	223 040	237 143	0.70	0.58	42 626	39 722	-0.71	-0.62	5.23	5.97	1.42	1.20
European Union	163 256	176 719	1.22	0.66	23 213	21 928	-0.40	-0.49	6.93	7.99	1.77	1.21
Russia	30 687	30 645	-0.74	0.05	8 305	7 388	-1.20	-1.05	3.70	4.15	0.47	1.11
Ukraine	10 443	11 884	-1.33	1.42	3 159	3 232	-2.88	0.42	3.31	3.68	1.59	0.99
AFRICA	45 772	56 177	0.95	2.47	236 765	273 361	2.00	1.01	0.19	0.21	-1.03	1.45
Egypt	5 623	6 710	-0.46	1.89	6 816	7 152	0.96	0.42	0.82	0.94	-1.41	1.46
Ethiopia	3 603	5 662	-0.11	4.77	16 078	23 075	3.72	3.23	0.22	0.25	-3.69	1.49
Nigeria	576	724	2.99	2.06	2 526	2 910	4.36	0.61	0.23	0.25	-1.32	1.44
South Africa	3 253	3 669	0.43	1.09	942	897	-0.66	-0.50	3.46	4.09	1.11	1.60
ASIA	336 890	460 005	3.89	2.88	363 177	423 735	1.85	1.21	0.93	1.09	2.00	1.65
China ¹	40 767	49 654	0.09	1.49	15 200	14 836	2.70	-0.52	2.42	3.02	-2.89	2.00
India	162 595	244 484	4.79	3.90	128 371	172 606	1.25	2.83	1.27	1.42	3.49	1.04
Indonesia	1 227	1 576	0.43	1.81	14 460	16 319	3.59	0.46	0.08	0.10	-3.05	1.34
Iran	6 457	7 273	-1.23	1.10	20 294	21 780	-0.97	0.61	0.32	0.33	-0.27	0.49
Japan	7 335	7 508	-1.01	0.31	855	841	-1.73	-0.04	8.57	8.93	0.74	0.35
Kazakhstan	5 140	6 415	-0.37	2.13	4 081	4 463	5.23	0.58	1.26	1.44	-5.32	1.54
Korea	2 121	2 264	0.31	0.80	252	256	0.35	0.11	8.41	8.85	-0.05	0.68
Malaysia	86	118	2.81	2.45	174	210	2.43	0.96	0.50	0.56	0.37	1.48
Pakistan	52 900	70 436	6.53	2.51	35 300	41 009	3.73	0.95	1.50	1.72	2.70	1.55
Philippines	21	28	5.36	2.44	5	6	-0.90	0.52	3.86	4.83	6.32	1.91
Saudi Arabia	2 413	3 013	5.11	2.11	5 369	6 083	3.99	1.11	0.45	0.50	1.08	0.99
Thailand	1 080	1 231	3.63	0.94	222	205	-2.06	-0.80	4.86	6.02	5.81	1.76
Turkey	19 727	24 126	6.31	1.94	26 094	28 862	6.99	0.74	0.76	0.84	-0.64	1.19
Viet Nam	620	895	10.28	3.59	269	335	9.45	1.95	2.31	2.67	0.76	1.61
OCEANIA	31 136	35 437	2.17	1.36	6 604	6 820	0.89	0.22	4.71	5.20	1.27	1.13
Australia	9 519	10 402	-0.02	1.00	1 544	1 686	-0.72	0.35	6.17	6.17	0.70	0.65
New Zealand	21 546	24 967	3.28	1.51	5 003	5 087	1.44	0.20	4.31	4.91	1.81	1.31
DEVELOPED COUNTRIES	393 931	428 494	1.13	0.76	80 802	79 949	0.32	-0.23	4.88	5.36	0.81	0.99
DEVELOPING COUNTRIES	423 787	565 116	3.04	2.75	629 454	726 182	1.84	1.09	0.67	0.78	1.17	1.64
LEAST DEVELOPED COUNTRIES (LDC)	23 882	27 799	3.43	2.20	175 284	204 842	4.52	0.89	0.14	0.14	-1.04	1.30
OECD²	350 734	384 900	1.55	0.81	72 224	73 924	2.03	0.14	4.86	5.21	-0.47	0.67
BRICS	266 073	364 336	2.64	2.96	177 959	221 298	1.30	2.08	1.50	1.65	1.32	0.87

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland but includes all EU28 member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.37. Whey powder and casein projections

Calendar year

		Average 2015-17est	2027	Growth (%) ²	
				2008-17	2018-27
AUSTRALIA					
Net trade, whey	kt pw	86.5	84.8	0.67	-0.31
Exports, casein	kt pw	0.4	1.7	-34.52	9.38
CANADA					
Net trade, whey	kt pw	31.4	35.8	11.28	0.53
EUROPEAN UNION					
Whey powder					
Production	kt pw	1 858.8	2 079.2	1.57	0.92
Consumption	kt pw	1 311.3	1 403.2	0.32	0.50
Net trade	kt pw	547.5	676.0	5.28	1.85
Casein					
Production	kt pw	154.4	149.2	1.65	1.42
Consumption	kt pw	76.8	70.6	-4.95	-0.07
Net trade	kt pw	77.6	78.6	15.64	3.05
JAPAN					
Net trade, whey	kt pw	-57.8	-66.8	..	..
Casein imports	kt pw	13.3	13.5	-1.65	-0.05
NEW ZEALAND					
Net trade, whey	kt pw	-5.4	0.0	..	..
Exports, casein	kt pw	209.0	277.8	3.67	1.03
UNITED STATES					
Whey					
Production	kt pw	491.4	549.3	0.22	1.47
Consumption	kt pw	257.9	274.2	-2.02	0.80
Exports	kt pw	233.5	275.1	3.33	2.19
Imports, casein	kt pw	131.0	157.3	4.09	1.49
ARGENTINA					
Net trade, whey	kt pw	64.4	90.2	3.40	2.45
BRAZIL					
Net trade, whey	kt pw	-24.9	-35.0	..	..
CHINA¹					
Net trade, whey	kt pw	-417.1	-479.7	..	..
RUSSIA					
Net trade, whey	kt pw	-59.3	-64.4	..	..

.. Not available

Note: Calendar year; except year ending 30 June for Australia and 31 May for New Zealand.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.38. Main policy assumptions for dairy markets

Calendar year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
CANADA												
Milk target price ¹	CADc/litre	79.8	82.3	84.1	85.9	87.6	89.1	90.6	92.1	93.6	95.2	96.7
Butter support price	CAD/t	7 674.4	8 064.6	8 237.3	8 417.5	8 578.3	8 726.6	8 872.1	9 017.8	9 166.7	9 320.2	9 474.6
Cheese tariff-quota	kt pw	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	%	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
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
EUROPEAN UNION²												
Voluntary coupled support												
Milk and milk products ³	mIn EUR	835	853	861	846	846	846	846	846	846	846	846
Milk quota	kt pw	0	0	0	0	0	0	0	0	0	0	0
Butter reference price ⁴	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	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0	1 698.0
Butter tariff-quotas	kt pw	89.2	89.9	90.2	90.3	90.3	90.4	90.4	90.5	90.5	90.6	90.6
Cheese tariff-quotas	kt pw	118.2	118.9	119.2	119.5	119.9	120.2	120.5	120.8	121.2	121.5	121.8
JAPAN												
Direct payments ⁵	JPY/kg	12.1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
Cheese tariff ⁶	%	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
Tariff-quotas												
Butter	kt pw	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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	%	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0
SMP	kt pw	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
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
WMP	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	%	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Out-of-quota tariff	%	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2
KOREA												
Tariff-quotas												
Butter	kt pw	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
In-quota tariff	%	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Out-of-quota tariff	%	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
SMP	kt pw	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
In-quota tariff	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Out-of-quota tariff	%	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
WMP	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	%	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Out-of-quota tariff	%	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
MEXICO												
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	%	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
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	%	51.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Licons social program	mIn MXN	1 190.5	1 202.5	1 202.5	1 202.5	1 202.5	1 202.5	1 202.5	1 202.5	1 202.5	1 202.5	1 202.5
RUSSIA												
Butter tariff	%	16.1	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
UNITED STATES⁷												
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	%	3.3	2.7	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8
Out-of-quota tariff	%	41.5	33.9	36.5	36.2	36.1	35.9	35.7	35.5	35.4	35.2	35.0
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	%	44.2	40.7	39.6	39.1	38.6	38.1	37.6	37.2	36.7	36.2	35.7
INDIA												
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	%	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
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
SOUTH AFRICA												
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 A

Note: Average 2015-17est: Data for 2017 are estimated.

The sources for tariffs and Tariff Rate Quotas are the national questionnaire reply, UNCTAD and WTO.

1. For manufacturing milk.
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%). The EU's milk quota system has been abolished since April 2015.
3. Implemented in 19 Member States. The maximum quantity limit is 11.695 million dairy cow heads.
4. 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.
5. 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.
6. Excludes processed cheese.
7. 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 (2018), "OECD-FAO Agricultural Outlook", *OECD Agriculture statistics* (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.39.1. Fish and seafood projections: Production and trade

Calendar year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	171 747	194 675	2.44	1.08	39 732	45 852	1.58	1.44	38 885	45 862	1.89	1.66
NORTH AMERICA	6 437	6 473	1.02	0.13	5 921	7 037	1.48	1.39	2 736	3 078	0.54	1.44
Canada	1 058	1 104	-0.55	0.41	646	540	0.97	-2.30	828	666	-0.56	-2.00
United States	5 379	5 369	1.36	0.07	5 275	6 498	1.54	1.77	1 907	2 411	1.04	2.64
LATIN AMERICA	13 789	15 556	-3.10	0.45	2 357	3 338	3.52	3.38	4 174	4 959	1.28	1.75
Argentina	781	842	-1.78	0.95	72	75	4.81	0.00	578	646	-2.05	0.99
Brazil	1 284	1 746	1.46	2.88	654	879	4.71	3.45	43	51	-2.01	-0.55
Chile	2 832	3 479	-4.93	0.94	129	183	11.25	3.00	1 433	1 972	3.53	3.11
Colombia	183	221	0.50	1.85	231	306	5.02	2.42	59	67	-5.33	-0.56
Mexico	1 726	1 846	0.05	-0.12	506	906	8.00	5.46	198	171	0.10	-1.48
Paraguay	25	26	2.51	0.00	4	4	6.40	0.00	0	0	..	..
Peru	4 466	4 536	-5.94	-0.92	124	120	5.83	0.00	556	460	-1.03	0.00
EUROPE	17 166	17 979	0.93	0.36	10 321	12 097	-0.13	1.65	9 034	11 616	2.00	1.86
European Union	6 501	6 896	-0.03	0.47	8 260	9 757	0.93	1.73	2 364	3 861	1.50	4.30
Norway	3 515	3 785	0.27	0.63	303	220	3.76	-0.92	2 779	3 156	0.35	0.54
Russia	4 895	5 226	3.42	0.17	746	1 041	-7.19	3.82	2 350	3 122	5.54	1.55
Ukraine	107	81	-11.24	0.00	408	464	-5.58	-0.44	15	22	-17.80	-2.48
AFRICA	11 136	13 060	3.79	1.36	4 391	5 514	1.72	2.45	2 698	2 368	4.85	-0.58
Egypt	1 695	2 476	5.73	3.07	557	427	6.88	-1.28	47	50	28.25	0.00
Ethiopia	46	61	14.94	2.96	2	2	10.73	0.00	1	1	-1.31	0.00
Morocco	1 438	1 681	4.49	0.97	81	110	2.36	4.08	634	661	4.91	0.54
Nigeria	1 039	1 198	4.51	1.16	794	992	-9.23	1.70	14	15	-3.63	0.00
South Africa	612	598	0.35	-0.69	279	571	9.59	6.17	159	205	-0.47	1.33
ASIA	121 597	139 681	3.47	1.26	16 067	17 128	2.53	0.74	19 231	22 706	1.72	1.86
China ¹	66 567	76 253	4.25	1.32	4 027	4 052	4.05	-0.88	7 617	8 694	1.45	1.91
India	10 660	12 737	4.17	1.40	36	35	9.70	0.00	1 131	1 525	6.57	3.00
Indonesia	11 472	14 452	7.18	1.85	177	412	-1.75	6.35	1 286	1 961	3.79	2.84
Iran	1 084	1 320	8.59	1.14	86	115	11.68	5.70	93	86	15.34	-0.29
Japan	3 957	3 490	-2.95	-0.94	3 677	3 548	0.06	0.38	694	920	2.47	1.91
Kazakhstan	43	47	-0.49	0.00	65	71	-3.89	1.00	40	34	-3.58	-1.39
Korea	1 954	1 842	-2.54	-0.02	1 714	1 940	2.66	0.74	595	399	-1.98	-1.14
Malaysia	1 777	1 971	0.61	0.73	500	402	0.56	-1.60	296	229	-1.44	-1.52
Pakistan	667	708	1.77	0.11	13	13	28.90	0.00	162	231	0.75	2.20
Philippines	2 878	3 241	-1.49	0.76	452	475	10.77	2.58	340	302	2.99	-2.24
Saudi Arabia	108	145	2.47	2.11	327	415	8.86	2.90	44	54	6.73	2.04
Thailand	2 455	2 703	-3.66	0.96	1 724	1 782	0.97	1.15	1 903	2 255	-3.91	2.23
Turkey	618	687	-1.13	1.23	119	140	4.97	2.68	197	267	13.80	3.11
Viet Nam	6 390	7 765	4.40	1.65	332	414	13.10	2.00	2 759	3 732	7.30	2.67
OCEANIA	1 622	1 925	2.03	1.53	675	739	1.98	0.44	1 013	1 136	4.11	0.97
Australia	267	288	1.09	1.09	466	548	0.65	0.91	84	80	3.77	0.57
New Zealand	530	554	-0.53	0.43	51	50	0.19	0.00	399	412	-0.65	0.50
DEVELOPED COUNTRIES	28 860	29 322	0.30	0.14	21 025	24 206	0.45	1.44	12 901	16 095	1.50	1.76
DEVELOPING COUNTRIES	142 582	165 053	2.92	1.26	18 717	21 646	3.00	1.45	25 723	29 502	2.07	1.62
LEAST DEVELOPED COUNTRIES (LDC)	11 750	13 676	3.55	1.30	1 068	1 302	10.84	2.34	980	812	1.32	-1.91
OECD²	28 361	29 364	-1.01	0.24	21 452	24 669	1.28	1.41	11 482	14 316	1.09	2.04
BRICS	84 018	96 559	4.11	1.28	5 743	6 577	2.04	0.78	11 299	13 597	2.60	1.92

.. 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 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	REDUCTION (kt)		Growth (%) ³		FOOD CONS. (kt)		Growth (%) ³		FOOD CONS. (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	14 304	14 173	-2.86	-0.29	153 230	177 343	3.02	1.23	20.5	21.3	1.81	0.26
NORTH AMERICA	800	891	-1.50	0.09	8 400	9 120	1.74	0.66	23.4	23.5	0.97	-0.06
Canada	18	38	-11.75	0.28	835	918	1.38	0.57	23.0	23.1	0.35	-0.24
United States	782	853	-1.10	0.08	7 564	8 202	1.78	0.66	23.5	23.6	1.04	-0.04
LATIN AMERICA	4 779	5 086	-8.90	-1.04	6 697	8 329	2.67	2.07	10.5	11.9	1.52	1.21
Argentina	..	..	..	..	276	271	0.14	0.59	6.3	5.6	-0.88	-0.26
Brazil	49	44	-1.08	-1.56	1 851	2 530	2.73	3.26	8.9	11.4	1.80	2.64
Chile	1 136	1 279	-11.43	-1.15	277	311	1.21	0.76	15.4	16.1	0.32	0.08
Colombia	..	..	..	..	355	459	4.94	2.65	7.3	8.8	3.91	1.99
Mexico	143	291	-13.69	-0.59	1 889	2 290	4.31	1.89	14.8	15.9	2.85	0.82
Paraguay	..	..	..	..	30	30	3.04	0.00	4.4	3.9	1.68	-1.11
Peru	3 189	3 251	-8.12	-1.15	713	825	1.44	1.76	..	..	..	..
EUROPE	2 483	1 789	1.46	-1.36	15 804	16 598	0.01	0.47	21.3	22.4	-0.10	0.49
European Union	656	394	-2.69	-3.59	11 668	12 348	0.78	0.57	23.0	24.1	0.62	0.51
Norway	795	548	5.92	0.00	260	301	0.21	1.46	49.5	51.7	-0.99	0.54
Russia	418	242	3.35	-3.16	2 842	2 903	-1.51	0.21	19.7	20.5	-1.60	0.37
Ukraine	..	..	..	..	503	523	-6.07	-0.27	11.3	12.5	-5.61	0.25
AFRICA	707	942	-0.18	1.84	12 074	15 232	3.21	2.06	9.9	9.6	0.58	-0.32
Egypt	..	..	..	..	2 206	2 853	5.88	2.33	23.0	24.9	3.66	0.71
Ethiopia	..	..	..	..	46	63	15.53	2.90	0.5	0.5	12.58	0.62
Morocco	163	236	-5.96	0.97	720	894	8.75	1.66	20.4	22.4	7.25	0.58
Nigeria	..	..	..	..	1 819	2 175	-2.66	1.41	9.8	8.9	-5.21	-1.10
South Africa	312	437	1.64	3.11	420	527	4.89	1.64	7.5	8.4	3.50	0.61
ASIA	5 420	5 345	3.07	0.31	109 218	126 787	3.65	1.22	24.5	26.1	2.58	0.48
China ¹	2 050	2 001	3.55	-0.18	59 511	69 110	4.80	1.22	42.4	48.0	4.25	1.02
India	523	650	8.13	0.00	8 890	10 596	3.94	1.27	6.7	7.2	2.66	0.29
Indonesia	18	30	-6.55	0.00	9 395	12 023	6.14	2.07	36.0	41.6	4.83	1.15
Iran	94	88	4.17	-1.54	983	1 261	8.68	1.82	12.2	14.4	7.36	1.07
Japan	737	417	-0.64	-2.95	6 102	5 702	-1.90	-0.39	47.8	46.3	-1.81	-0.04
Kazakhstan	..	..	..	..	68	85	-1.90	1.49	3.8	4.2	-3.35	0.62
Korea	80	80	-5.08	0.00	2 970	3 303	0.63	0.57	58.5	63.0	0.22	0.29
Malaysia	121	68	-2.47	-4.64	1 860	2 076	1.82	0.73	59.6	58.1	0.07	-0.49
Pakistan	135	94	3.09	-2.38	382	396	2.15	-0.33	2.0	1.7	0.05	-2.00
Philippines	..	..	..	..	2 990	3 415	-0.74	1.33	28.9	28.3	-2.34	-0.07
Saudi Arabia	..	..	..	..	392	506	6.95	2.76	12.1	13.2	4.09	1.29
Thailand	445	304	-3.21	-2.07	1 734	1 867	0.03	0.32	25.2	26.8	-0.39	0.24
Turkey	63	115	-8.70	2.39	472	445	-1.98	0.35	5.9	5.1	-3.48	-0.26
Viet Nam	830	1 002	17.03	4.02	3 133	3 445	1.24	0.14	33.1	33.0	0.14	-0.72
OCEANIA	114	120	-1.95	0.44	1 037	1 277	1.86	1.65	26.4	28.3	0.28	0.39
Australia	31	42	-6.16	1.36	618	714	0.86	0.99	25.6	26.0	-0.64	-0.14
New Zealand	65	63	-0.77	-0.03	121	130	1.03	0.26	25.9	25.4	-0.05	-0.54
DEVELOPED COUNTRIES	4 428	3 639	0.35	-0.73	31 893	33 317	0.17	0.41	22.7	22.9	-0.25	0.13
DEVELOPING COUNTRIES	9 872	10 530	-4.04	-0.13	121 326	144 013	3.90	1.43	20.0	21.0	2.49	0.30
LEAST DEVELOPED COUNTRIES (LDC)	301	499	6.62	3.75	10 548	13 167	3.88	1.98	13.3	12.9	1.45	-0.27
OECD²	4 507	4 120	-4.94	-1.02	33 107	35 025	0.60	0.52	25.1	25.3	0.03	0.13
BRICS	3 352	3 374	3.87	-0.05	73 514	85 665	4.32	1.25	23.4	25.6	3.44	0.69

.. 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 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.40.1. Ethanol projections: Production and use

Calendar year

	PRODUCTION (mLn L)		Growth (%) ³	DOMESTIC USE (mLn L)		Growth (%) ³	FUEL USE (mLn L)		Growth (%) ³
	Average 2015-17est	2027	2018-27	Average 2015-17est	2027	2018-27	Average 2015-17est	2027	2018-27
WORLD	118 787	130 540	0.69	118 995	131 070	0.67	..	..	..
NORTH AMERICA	61 196	62 231	-0.12	58 207	60 669	-0.03	..	..	..
Canada	1 825	1 796	-0.11	2 999	2 952	-0.34	2 770	2 621	-0.59
United States	59 371	60 435	-0.12	55 208	57 717	-0.01	53 549	56 091	-0.01
LATIN AMERICA	32 532	38 542	1.56	32 475	38 099	1.48	..	..	..
Argentina	1 087	1 669	2.81	1 068	1 652	2.73	922	1 442	2.63
Brazil	28 326	32 722	1.46	27 753	31 883	1.40	26 047	30 098	1.42
Chile	9	23	11.08	43	59	3.19	..	..	..
Colombia	465	606	2.34	603	761	1.34	..	..	..
Mexico	213	246	-0.47	350	375	0.16	150	178	0.51
Paraguay	237	329	3.39	233	326	3.32	..	..	..
EUROPE	8 346	8 312	-0.40	9 336	8 780	-0.59	..	..	..
European Union	7 255	7 087	-0.58	8 204	7 539	-0.78	5 701	5 071	-1.14
Russia	582	573	-0.49	487	458	-0.62	..	..	..
Ukraine	386	496	1.99	386	499	1.98	..	..	..
AFRICA	1 010	1 335	2.50	1 006	1 288	2.60	..	..	..
Egypt	33	38	0.89	14	7	5.79	..	..	..
Ethiopia	89	136	2.78	65	62	7.53	..	..	..
Nigeria	17	57	8.77	177	211	1.74	..	..	..
South Africa	291	329	0.63	81	104	2.15	..	..	..
ASIA	15 361	19 787	2.27	17 696	21 983	1.86	..	..	..
China ¹	9 688	11 054	0.88	9 967	10 953	0.89	3 333	4 356	2.12
India	2 265	2 946	3.14	2 456	3 436	2.49	..	..	..
Indonesia	210	276	2.12	136	177	3.52	..	..	..
Iran	0	0	..	0	0	..	..	..	..
Japan	78	76	-0.11	1 469	1 480	-0.81	746	720	-1.59
Kazakhstan	0	0	..	0	0	..	..	..	..
Korea	163	154	-0.06	497	504	-0.02	5	4	-1.67
Malaysia	0	0	..	0	0	..	..	..	..
Pakistan	467	520	1.09	36	35	0.28	..	..	..
Philippines	286	815	10.09	720	1 315	5.10	..	..	..
Saudi Arabia	0	6	32.51	39	40	1.89	..	..	..
Thailand	1 751	3 199	5.64	1 754	3 158	5.44	..	..	..
Turkey	109	210	6.00	201	301	3.81	..	..	..
Viet Nam	187	292	3.88	162	252	3.62	..	..	..
OCEANIA	341	333	-1.59	275	251	-1.96	..	..	..
Australia	333	323	-1.68	270	245	-2.06	198	175	-2.78
New Zealand	3	3	0.00	0	0	..	..	..	..
DEVELOPED COUNTRIES	70 253	71 293	-0.15	69 394	71 317	-0.12	..	..	..
DEVELOPING COUNTRIES	48 533	59 247	1.81	49 600	59 753	1.70	..	..	..
LEAST DEVELOPED COUNTRIES (LDC)	326	458	2.89	350	479	2.74	..	..	..
OECD²	69 400	70 405	-0.16	69 436	71 364	-0.12	..	..	..
BRICS	41 153	47 624	1.38	40 744	46 834	1.33	..	..	..

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	SHARE IN GASOLINE TYPE FUEL USE (%)		IMPORTS (mln L)		Growth (%) ³	EXPORTS (mln L)		Growth (%) ³
	Average 2015-17est	2027	Average 2015-17est	2027	2018-27	Average 2015-17est	2027	2018-27
WORLD	..	..	9 397	9 679	0.28	9 038	9 396	0.29
NORTH AMERICA	..	..	2 274	2 910	1.57	5 084	4 623	-0.72
Canada	5.6	5.6	1 272	1 242	-0.64	77	86	-0.03
United States	9.6	11.3	1 002	1 668	3.47	5 007	4 537	-0.73
LATIN AMERICA	..	..	2 287	2 472	0.79	2 502	3 010	1.73
Argentina	10.0	12.1	8	19	-0.19	20	36	5.05
Brazil	46.6	49.6	1 062	1 210	2.13	1 801	2 145	2.38
Chile	..	..	35	36	0.00	0	0	0.00
Colombia	..	..	138	155	-1.84	0	0	0.13
Mexico	0.3	0.4	140	132	1.46	3	2	0.00
Paraguay	..	..	0	0	-2.97	5	3	17.24
EUROPE	..	..	1 268	818	-2.01	310	349	0.15
European Union	4.8	4.7	1 118	672	-2.40	203	219	0.23
Russia	..	..	2	4	0.00	96	119	0.01
Ukraine	..	..	4	10	0.00	4	7	0.00
AFRICA	..	..	285	333	0.00	290	381	0.00
Egypt	..	..	1	1	0.00	21	32	0.00
Ethiopia	..	..	0	0	..	25	74	0.00
Nigeria	..	..	160	154	0.00	0	0	..
South Africa	..	..	3	4	0.00	213	229	0.00
ASIA	..	..	3 273	3 134	-0.54	779	939	1.22
China ¹	2.0	2.0	489	47	0.71	70	149	0.01
India	..	..	331	584	-0.53	140	93	0.52
Indonesia	..	..	1	1	0.00	74	99	0.00
Iran	..	..	0	0	..	0	0	..
Japan	1.4	1.7	1 407	1 405	-0.84	1	2	-0.01
Kazakhstan	..	..	0	0	..	0	0	..
Korea	0.0	0.0	338	350	0.01	0	0	..
Malaysia	..	..	0	0	..	0	0	..
Pakistan	..	..	0	0	-0.07	432	485	1.16
Philippines	..	..	434	500	0.00	0	0	0.00
Saudi Arabia	..	..	41	36	0.00	2	3	0.00
Thailand	..	..	24	9	-11.87	21	50	11.63
Turkey	..	..	94	94	0.00	1	3	0.00
Viet Nam	..	..	9	5	-3.93	34	45	4.09
OCEANIA	..	..	10	12	0.02	74	93	-0.30
Australia	1.1	1.2	7	10	0.02	69	88	-0.32
New Zealand	..	..	2	1	0.00	5	4	0.00
DEVELOPED COUNTRIES	..	..	4 986	5 168	0.25	5 681	5 296	-0.63
DEVELOPING COUNTRIES	..	..	4 410	4 510	0.31	3 357	4 100	1.55
LEAST DEVELOPED COUNTRIES (LDC)	..	..	31	41	0.00	7	20	0.00
OECD²	..	..	5 569	5 751	0.25	5 366	4 943	-0.67
BRICS	..	..	1 887	1 849	1.16	2 319	2 736	1.87

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.41.1. Biodiesel projections: Production and use

Calendar year

	PRODUCTION (mIn L)		Growth (%) ³	DOMESTIC USE (mIn L)		Growth (%) ³
	Average 2015-17est	2027		2018-27	Average 2015-17est		2027
WORLD	34 188	39 269	0.37	34 957	39 361	0.39
NORTH AMERICA	7 034	7 293	-0.95	9 255	9 177	-1.15
Canada	443	620	-0.62	359	487	-0.23
United States	6 590	6 674	-0.98	8 896	8 690	-1.20
LATIN AMERICA	7 489	9 817	0.59	6 034	8 643	2.11
Argentina	2 950	3 259	-1.58	1 217	1 902	3.17
Brazil	3 939	5 644	1.99	3 910	5 627	1.98
Chile	0	0	..	0	0	..
Colombia	568	716	0.64	568	716	0.64
Mexico	0	0	..	0	0	..
Paraguay	12	19	2.70	12	19	2.70
EUROPE	13 723	13 158	-0.71	14 301	13 097	-1.06
European Union	13 437	12 902	-0.69	13 974	12 813	-1.05
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	5 851	8 902	3.38	5 227	8 345	3.51
China ¹	515	821	4.88	512	812	4.97
India	148	189	2.35	101	135	2.59
Indonesia	2 563	4 267	4.29	2 223	4 066	4.56
Iran	0	0	..	0	0	..
Japan	16	12	-1.53	12	8	-2.13
Kazakhstan	0	0	..	0	0	..
Korea	642	642	-1.40	570	619	-1.44
Malaysia	464	815	4.62	315	590	5.45
Pakistan	0	0	..	0	0	..
Philippines	202	266	2.00	202	266	2.00
Saudi Arabia	0	0	..	0	0	..
Thailand	1 301	1 890	2.76	1 292	1 849	2.68
Turkey	0	0	..	0	0	..
Viet Nam	0	0	..	0	0	..
OCEANIA	90	98	-1.59	140	99	-1.57
Australia	90	98	-1.59	140	99	-1.57
New Zealand	0	0	..	0	0	..
DEVELOPED COUNTRIES	20 863	20 562	-0.80	23 708	22 381	-1.10
DEVELOPING COUNTRIES	13 325	18 707	1.82	11 249	16 979	2.76
LEAST DEVELOPED COUNTRIES (LDC)	0	0	..	0	0	..
OECD²	21 505	21 204	-0.82	24 278	23 001	-1.11
BRICS	4 603	6 654	2.31	4 523	6 574	2.32

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

- Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
- Excludes Iceland but includes all EU28 member countries.
- Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	SHARE IN DIESEL TYPE FUEL USE (%)		IMPORTS (mln L)		Growth (%) ³	EXPORTS (mln L)		Growth (%) ³
	Average 2015-17est	2027	Average 2015-17est	2027	2018-27	Average 2015-17est	2027	2018-27
WORLD	4 403	3 237	-2.57	3 551	3 145	-2.64
NORTH AMERICA	3 024	2 711	-1.30	718	827	0.10
Canada	1.2	2.0	276	264	-0.27	362	396	-0.85
United States	4.0	4.2	2 748	2 447	-1.41	356	431	1.07
LATIN AMERICA	307	200	0.00	1 739	1 374	-5.76
Argentina	9.0	12.0	0	0	..	1 732	1 357	-5.84
Brazil	7.4	10.0	0	0	..	7	17	5.28
Chile	0	0	..	0	0	..
Colombia	0	0	..	0	0	..
Mexico	0	0	..	0	0	..
Paraguay	0	0	..	0	0	..
EUROPE	993	308	-10.57	442	370	0.98
European Union	6.1	6.1	915	211	-13.17	404	300	1.08
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	25	18	-0.11	649	575	1.48
China ¹	0.4	0.6	17	11	1.03	20	20	0.00
India	2	2	-0.46	49	56	1.68
Indonesia	0	0	..	340	201	-0.13
Iran	0	0	..	0	0	..
Japan	0.0	0.0	1	1	0.17	5	5	-0.07
Kazakhstan	0	0	..	0	0	..
Korea	0	0	..	72	22	-0.46
Malaysia	0	0	..	149	225	2.70
Pakistan	0	0	..	0	0	..
Philippines	0	0	..	0	0	..
Saudi Arabia	0	0	..	0	0	..
Thailand	4	3	-3.28	13	44	6.15
Turkey	0	0	..	0	0	..
Viet Nam	0	0	..	0	0	..
OCEANIA	54	1	0.71	3	0	..
Australia	1.7	1.1	54	1	0.72	3	0	..
New Zealand	0	0	..	0	0	..
DEVELOPED COUNTRIES	4 072	3 021	-2.73	1 168	1 202	0.34
DEVELOPING COUNTRIES	331	216	-0.01	2 383	1 944	-4.11
LEAST DEVELOPED COUNTRIES (LDC)	0	0	..	0	0	..
OECD²	4 072	3 021	-2.73	1 240	1 224	0.32
BRICS	19	13	0.80	77	93	1.85

.. Not available

Note: Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.42. Main policy assumptions for biofuel markets

		2017est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ARGENTINA												
Biodiesel												
Export tax	%	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
BRAZIL												
Ethanol												
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 ²	%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
Biodiesel												
Tax concessions ³	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
CANADA												
Ethanol												
Tax concessions ³	CAD/hl	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
Import tariff	CAD/hl	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Incorporation mandate ²	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Direct support												
Federal	CAD/hl	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Provincial	CAD/hl	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Biodiesel												
Tax concessions ³	CAD/hl	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Incorporation mandate ²	%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Direct support												
Federal	CAD/hl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provincial	CAD/hl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLOMBIA												
Ethanol												
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 ^{1,4}	%	9.0	9.0	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Biodiesel												
Blending target ¹	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EUROPEAN UNION												
Biofuel												
Energy share in fuel consumption ⁵	%	5.6	5.6	5.7	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8
Ethanol												
Tax concessions ³	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	19.2
Biodiesel												
Tax concessions ³	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
INDIA												
Ethanol												
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	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Biodiesel												
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	%	6.4	7.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
INDONESIA												
Biodiesel												
Blending target ¹	%	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
MALAYSIA												
Biodiesel												
Blending target ¹	%	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
THAILAND												
Ethanol												
Blending target ¹	%	11.4	12.4	13.5	14.5	15.6	16.6	17.6	18.7	19.7	19.7	19.7
Biodiesel												
Blending target ¹	%	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

ANNEX A

Table A.42. Main policy assumptions for biofuel markets (cont.)

		2017est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
UNITED STATES												
Renewable Fuel Standard⁶												
Total	mIn L	72 983	73 020	73 020	73 020	73 020	73 020	73 020	73 020	73 020	73 020	73 020
advanced mandate	mIn L	16 202	16 239	16 239	16 239	16 239	16 239	16 239	16 239	16 239	16 239	16 239
cellulosic ethanol	mIn L	1 177	1 090	1 446	1 556	1 690	1 923	2 045	2 229	2 406	2 559	2 739
Ethanol												
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
Biodiesel												
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: 2017est: Data for 2017 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.

- Expressed in volume share.
- Share in respective fuel type, in volume.
- Difference between tax rates applying to fossil and biogen fuels.
- Applies to cities with more than 500 000 inhabitants.
- 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.
- 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 (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.43.1. Cotton projections: Production and trade

Marketing year

	PRODUCTION (kt)		Growth (%) ³		IMPORTS (kt)		Growth (%) ³		EXPORTS (kt)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	23 372	28 720	-0.10	1.58	7 783	9 387	0.56	1.35	7 880	9 387	0.70	1.35
NORTH AMERICA	3 725	4 185	3.14	0.97	0	0	..	..	2 777	3 391	-0.29	0.98
Canada	0	0	..	..	0	0	..	..	0	0	..	..
United States	3 725	4 185	3.14	0.97	0	0	..	..	2 777	3 391	-0.29	0.98
LATIN AMERICA	1 891	2 476	1.04	2.97	337	340	-4.61	0.80	838	1 307	3.73	6.08
Argentina	187	263	0.47	5.08	3	2	-21.16	-0.17	52	64	10.89	1.02
Brazil	1 460	1 904	0.98	3.01	27	18	-2.07	-0.46	750	1 203	3.99	6.57
Chile	0	0	..	..	0	0	-37.90	2.19	0	0	..	..
Colombia	10	13	-14.55	1.72	33	57	-6.64	4.90	0	0	54.57	..
Mexico	200	259	6.94	1.35	229	201	-2.98	-0.29	31	36	-2.03	2.85
Paraguay	5	5	-13.19	0.76	1	1	-11.47	2.47	3	2	-14.78	-2.41
EUROPE	298	294	1.67	0.59	307	258	-6.21	-0.10	276	279	1.65	0.19
European Union	296	292	1.68	0.59	242	194	-3.54	-0.27	275	278	1.65	0.19
Russia	1	1	0.00	0.00	60	59	-12.11	0.36	0	0	..	..
Ukraine	0	0	..	..	2	3	-13.10	2.21	0	0	..	..
AFRICA	1 469	1 985	5.31	1.92	148	178	-0.64	1.19	1 245	1 721	5.35	1.82
Egypt	53	107	-9.66	4.93	103	100	2.11	-1.28	31	42	-6.05	1.30
Ethiopia	46	45	9.88	-0.46	11	38	39.32	9.86	0	0	-32.53	-1.78
Nigeria	52	58	0.28	0.27	1	1	-18.95	0.65	32	31	1.54	-0.93
South Africa	15	21	6.52	1.17	14	13	-6.26	1.18	10	6	1.22	-1.17
ASIA	15 127	18 719	-1.56	1.48	6 991	8 610	1.40	1.43	2 028	1 645	-2.46	-1.56
China ¹	5 115	5 718	-4.65	0.63	1 029	1 216	-10.04	0.29	18	11	2.30	-0.16
India	5 904	7 877	1.80	2.36	396	446	16.07	2.23	1 106	860	1.18	-2.18
Indonesia	5	6	-4.17	1.88	715	1 007	5.65	2.08	1	0	-16.11	..
Iran	53	47	-3.72	-2.20	56	88	-0.47	4.03	0	0	..	..
Japan	0	0	..	..	60	55	-3.97	-0.26	0	0	..	..
Kazakhstan	63	69	-3.03	-0.86	0	0	..	..	46	51	-6.30	-1.86
Korea	0	0	..	..	241	230	1.27	-0.21	1	0	0.00	..
Malaysia	0	0	..	..	87	103	3.28	2.37	17	11	5.70	-2.32
Pakistan	1 752	2 363	-1.66	1.38	464	239	0.84	-7.86	33	27	-17.44	2.93
Philippines	0	0	..	..	10	15	-3.27	3.48	0	0	..	..
Saudi Arabia	0	0	..	..	0	0	..	..	0	0	..	..
Thailand	1	1	-1.64	1.08	274	294	-3.54	0.47	0	0	-18.72	..
Turkey	724	1 034	5.15	2.22	812	751	1.49	0.34	59	52	7.89	-0.34
Viet Nam	1	1	-22.70	1.58	1 200	2 023	21.12	2.87	0	0	..	..
OCEANIA	863	1 060	7.36	2.26	1	1	0.00	0.00	715	1 045	7.28	2.84
Australia	862	1 059	7.37	2.26	0	0	..	..	714	1 044	7.29	2.84
New Zealand	1	1	0.00	0.00	1	1	0.00	0.00	1	1	0.00	0.00
DEVELOPED COUNTRIES	6 220	6 967	2.26	1.03	386	330	-5.94	-0.08	4 538	5 392	-0.18	1.00
DEVELOPING COUNTRIES	17 152	21 753	-0.86	1.76	7 397	9 057	1.05	1.41	3 342	3 996	2.18	1.84
LEAST DEVELOPED COUNTRIES (LDC)	1 182	1 608	5.88	2.04	1 481	1 944	7.63	2.91	888	1 323	6.58	2.29
OECD²	5 822	6 846	3.87	1.34	1 588	1 435	-0.55	0.05	3 874	4 817	0.85	1.30
BRICS	12 495	15 520	-1.40	1.76	1 526	1 752	-7.33	0.74	1 884	2 080	1.73	1.97

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.43.2. Cotton projections: Consumption

Marketing year

	CONSUMPTION (kt) ³		Growth (%) ⁴	
	Average 2015-17est	2027	2008-17	2018-27
WORLD	24 543	28 671	0.27	0.90
NORTH AMERICA	729	839	-0.92	1.33
Canada	0	0	..	..
United States	729	839	-0.85	1.33
LATIN AMERICA	1 382	1 474	-3.71	0.02
Argentina	142	167	-2.18	1.73
Brazil	720	716	-4.71	-1.06
Chile	0	0	-40.76	2.19
Colombia	45	70	-9.10	4.23
Mexico	402	424	-0.17	0.44
Paraguay	3	4	-11.30	2.78
EUROPE	339	275	-5.80	0.77
European Union	269	210	-2.81	0.84
Russia	65	60	-12.19	0.49
Ukraine	2	3	-14.86	2.22
AFRICA	339	442	-0.60	2.06
Egypt	131	164	-2.72	1.52
Ethiopia	55	83	9.19	3.12
Nigeria	24	29	-1.77	1.73
South Africa	21	27	-3.23	1.80
ASIA	21 745	25 635	0.76	0.92
China ¹	7 854	6 870	-2.72	-1.85
India	5 249	7 463	3.45	3.04
Indonesia	698	1 013	5.18	2.09
Iran	109	135	-2.63	1.43
Japan	62	55	-4.62	-0.37
Kazakhstan	13	18	0.71	2.82
Korea	245	232	1.45	-0.20
Malaysia	64	93	6.90	3.10
Pakistan	2 176	2 575	-0.40	0.07
Philippines	10	15	-3.71	3.48
Saudi Arabia	0	0	..	..
Thailand	272	296	-3.94	0.47
Turkey	1 479	1 733	2.68	1.45
Viet Nam	1 161	2 024	20.31	2.88
OCEANIA	8	7	-4.21	-0.06
Australia	7	6	-4.74	-0.07
New Zealand	1	1	0.00	0.00
DEVELOPED COUNTRIES	1 710	1 944	-0.74	1.38
DEVELOPING COUNTRIES	22 833	26 727	0.35	0.86
LEAST DEVELOPED COUNTRIES (LDC)	1 658	2 229	6.06	2.64
OECD²	3 196	3 501	0.57	1.11
BRICS	13 910	15 137	-0.95	0.34

.. Not available

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Consumption for cotton means mill consumption and not final consumer demand.
4. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

Table A.44. Main policy assumptions for cotton markets

Marketing year

		Average 2015-17est	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ARGENTINA												
Export tax equivalent of export barriers	%	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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
BRAZIL												
Producer Minimum Price, lint cotton	BRL/t	3 959.0	4 964.5	4 964.5	4 964.5	4 964.5	4 964.5	4 964.5	4 964.5	4 964.5	4 964.5	4 964.5
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
EUROPEAN UNION												
Area for coupled payment	kha	301.7	301.7	301.7	301.7	301.7	301.7	301.7	301.7	301.7	301.7	301.7
Coupled payment per ha ¹	EUR/ha	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0
Tariff equivalent of import barriers	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAPAN												
Tariff equivalent of import barriers	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KOREA												
Tariff equivalent of import barriers	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEXICO												
Tariff equivalent of import barriers	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RUSSIA												
Tariff equivalent of import barriers	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UNITED STATES												
STAX participation rate	%	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
CRP area	Mha	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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
CHINA												
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	%	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	%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Note: Marketing year: See Glossary of Terms for definitions.

Average 2015-17est: Data for 2017 are estimated.

1. If the area is higher than the ceiling, the amount is proportionally reduced.

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

ANNEX A

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

Calendar year

	PRODUCTION (kt)		Growth (%) ³		FOOD CONSUMPTION (kg/cap)		Growth (%) ³	
	Average 2015-17est	2027	2008-17	2018-27	Average 2015-17est	2027	2008-17	2018-27
WORLD	213 159	241 360	2.34	1.39	14.7	15.1	0.25	0.32
NORTH AMERICA	5 430	5 713	1.23	0.38	12.2	12.2	0.36	-0.61
Canada	910	943	-0.16	0.45	14.5	13.6	-0.18	-0.57
United States	4 520	4 770	1.53	0.36	11.9	12.0	0.44	-0.62
LATIN AMERICA	14 460	15 323	-0.21	0.75	12.1	12.0	-0.62	-0.06
Argentina	541	597	-1.25	0.69	9.4	9.3	-0.15	-0.06
Brazil	7 429	7 203	-2.05	0.05	14.3	13.4	-2.46	-0.65
Chile	243	282	2.07	1.58	12.5	12.6	1.64	0.08
Colombia	1 204	1 333	1.01	1.44	20.4	20.6	0.63	0.14
Mexico	409	448	0.97	0.83	3.1	3.1	-1.19	-0.13
Paraguay	954	1 094	3.92	1.59	46.2	44.3	1.31	-0.29
EUROPE	24 334	24 620	-0.33	0.11	17.1	16.4	-0.56	-0.44
European Union	11 554	10 824	-1.81	-0.65	14.5	13.0	-1.45	-0.98
Russia	6 686	7 043	2.54	0.23	23.9	25.1	1.02	0.18
Ukraine	4 304	4 821	1.28	1.32	26.2	30.5	0.97	1.66
AFRICA	79 497	96 000	4.17	2.22	32.5	32.2	0.29	0.20
Egypt	1 118	1 406	3.82	2.44	8.1	8.1	1.27	0.35
Ethiopia	2 243	3 037	6.60	3.39	18.6	19.8	3.29	1.10
Nigeria	32 780	39 271	5.63	1.93	69.5	70.3	1.84	0.31
South Africa	479	533	1.76	1.34	6.1	6.6	-0.26	0.99
ASIA	88 763	98 970	2.20	1.12	10.0	9.9	0.00	-0.01
China ¹	40 822	43 017	1.51	0.36	15.2	15.1	-0.29	-0.05
India	11 472	13 170	1.90	1.66	6.6	6.8	0.11	0.43
Indonesia	7 984	8 767	0.80	1.38	17.0	17.1	0.64	0.02
Iran	1 021	1 151	1.94	1.40	10.7	10.3	1.09	-0.19
Japan	785	774	-1.14	-0.25	5.8	5.4	-2.23	-0.57
Kazakhstan	700	782	4.43	1.27	21.7	21.6	-0.16	0.12
Korea	199	229	-0.34	1.83	3.0	3.4	-2.83	1.04
Malaysia	35	39	8.69	1.33	3.3	3.2	3.42	-0.22
Pakistan	941	1 152	4.60	2.53	3.7	3.8	1.81	0.06
Philippines	1 011	1 132	3.09	1.31	9.4	8.8	1.20	-0.41
Saudi Arabia	101	112	1.29	1.60	4.6	5.0	9.41	1.00
Thailand	9 595	12 105	3.11	2.40	4.9	4.5	-1.28	-0.52
Turkey	940	1 042	0.65	1.36	8.9	7.9	-2.04	-0.97
Viet Nam	3 774	4 510	2.78	1.62	3.9	4.5	-0.07	1.74
OCEANIA	675	733	-0.20	1.06	12.4	11.3	-3.79	-0.76
Australia	235	249	-1.70	0.82	9.4	8.3	-3.56	-1.06
New Zealand	101	113	-0.95	0.64	9.9	9.9	-2.98	0.16
DEVELOPED COUNTRIES	33 592	34 544	0.11	0.27	13.9	13.5	-0.50	-0.46
DEVELOPING COUNTRIES	179 567	206 815	2.81	1.59	14.9	15.4	0.42	0.47
LEAST DEVELOPED COUNTRIES (LDC)	34 337	41 134	3.75	2.31	22.6	21.7	-0.58	-0.06
OECD²	20 198	19 994	-0.78	-0.11	10.9	10.2	-1.08	-0.81
BRICS	66 888	70 965	1.21	0.55	11.7	11.6	-0.42	-0.11

Note: Calendar year.

Average 2015-17est: Data for 2017 are estimated.

Production and consumption are expressed on dry weight basis.

1. Refers to mainland only. The economies of Chinese Taipei, Hong Kong (China) and Macau (China) are included in the Asia aggregate.
2. Excludes Iceland but includes all EU28 member countries.
3. Least-squares growth rate (see glossary).

Source: OECD/FAO (2018), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en

Part II. ANNEX B

ANNEX B

Table B.1. Information on food price changes

	Total inflation % change (year-on-year)		Food inflation % change (year-on-year) ²		Expenditure share of food		Food contribution to total change in inflation ³	
	2017	2018	2017	2018	2017	2018	2017	2018
OECD								
Australia ¹	2.1	..	1.9	..	12.8	12.8	0.2	..
Austria	2.0	1.8	1.8	2.0	12.0	12.0	0.2	0.2
Belgium	2.6	1.7	2.1	2.2	17.4	17.4	0.4	0.4
Canada	2.1	1.7	-4.0	1.6	11.5	11.5	-0.5	0.2
Chile	2.8	2.2	2.4	3.9	18.9	18.9	0.5	0.7
Czech Republic	2.2	2.2	3.5	4.5	17.0	17.0	0.6	0.8
Denmark	0.9	0.7	2.0	1.6	11.5	11.5	0.2	0.2
Estonia	2.8	3.4	3.7	5.7	21.7	21.7	0.8	1.2
Finland	0.8	0.8	-2.4	1.5	13.4	13.4	-0.3	0.2
France	1.3	1.3	1.4	1.3	14.7	14.7	0.2	0.2
Germany	1.9	1.6	3.0	2.9	10.4	10.4	0.3	0.3
Greece	1.2	-0.2	1.1	-1.2	17.1	17.1	0.2	-0.2
Hungary	2.3	2.0	1.2	4.5	19.6	19.6	0.2	0.9
Iceland	1.9	2.4	-0.6	-0.1	14.9	14.9	-0.1	0.0
Ireland	0.3	0.2	-2.4	-1.7	11.7	11.7	-0.3	-0.2
Israel	0.1	0.1	-1.6	-1.2	14.3	14.3	-0.2	-0.2
Italy	1.0	0.9	2.3	1.3	16.3	16.3	0.4	0.2
Japan	0.4	1.4	2.2	3.8	19.0	19.0	0.4	0.7
Korea	2.0	1.0	5.3	-0.3	14.4	14.4	0.8	0.0
Luxembourg	1.7	1.1	2.6	1.8	11.1	11.1	0.3	0.2
Mexico	4.7	5.5	3.2	8.6	18.9	18.9	0.6	1.6
Netherlands	1.7	1.5	1.5	2.2	11.3	11.3	0.2	0.3
New Zealand ¹	2.2	..	1.6	..	17.4	17.4	0.3	..
Norway	2.8	1.6	2.0	2.6	13.3	13.3	0.3	0.3
Poland	1.8	2.1	3.3	..	24.1	24.1	0.8	..
Portugal	1.3	1.0	1.3	1.4	18.1	18.1	0.2	0.3
Slovak Republic	0.7	2.4	1.5	6.7	18.4	18.4	0.3	1.2
Slovenia	1.3	1.5	2.8	2.9	17.0	17.0	0.5	0.5
Spain	3.0	0.6	1.0	1.3	18.2	18.2	0.2	0.2
Sweden	1.4	1.6	1.7	2.3	13.9	13.9	0.2	0.3
Switzerland	0.3	0.7	0.9	1.0	10.8	10.8	0.1	0.1
Turkey	9.2	10.3	7.8	8.8	26.8	26.8	2.1	2.3
United Kingdom	1.8	3.0	-0.5	3.7	11.8	11.8	-0.1	0.4
United States	2.5	2.1	-1.9	1.0	7.8	7.8	-0.1	0.1
OECD Total	2.3	2.2	0.4	2.2	..	..	..	..
Enhanced Engagement								
Brazil	5.4	2.9	5.1	-1.5	22.5	22.5	1.2	-0.3
China	2.5	1.5	2.5	-0.5	33.6	33.6	0.8	-0.2
India	1.9	5.1	0.5	4.7	35.4	35.4	0.2	1.7
Indonesia	3.5	3.3	4.1	2.9	19.6	19.6	0.8	0.6
Russia	5.0	2.2	3.9	0.3	32.8	32.8	1.3	0.1
South Africa	6.8	4.3	12.5	3.8	18.3	18.3	2.3	0.7

ANNEX B

Table B.1. Information on food price changes (cont.)

	Total inflation % change (year-on-year)		Food inflation % change (year-on-year) ²		Expenditure share of food		Food contribution to total change in inflation ³	
	2017	2018	2017	2018	2017	2018	2017	2018
Non OECD								
Algeria	8.2	3.6	8.0	1.8	43.8	43.8	3.5	0.8
Bangladesh	5.2	..	6.5	7.1	28.6	28.6	1.9	2.0
Bolivia	3.7	2.9	5.8	18.0	27.6	27.6	1.6	5.0
Botswana	3.4	3.1	4.2	..	23.7	23.7	1.0	..
Bulgaria	0.4	0.9	3.6	0.8	37.2	37.2	1.3	0.3
Colombia	5.5	3.7	6.0	1.5	34.7	34.7	2.1	0.5
Costa Rica	0.9	2.4	0.8	-2.2	21.4	21.4	0.2	-0.5
Dominican Republic	2.3	3.9	-2.0	5.2	29.2	29.2	-0.6	1.5
Ecuador	0.9	-0.1	1.5	-0.1	23.0	23.0	0.3	0.0
Egypt	28.1	17.0	37.1	12.9	26.3	26.3	9.8	3.4
El Salvador	1.3	1.5	2.8	2.9	26.0	26.0	0.7	0.8
Ethiopia	6.9	10.5	6.0	13.7	57.0	57.0	3.4	7.8
Ghana	13.3	10.3	7.0	6.8	37.0	37.0	2.6	2.5
Guatemala	3.8	4.7	5.6	10.5	28.6	28.6	1.6	3.0
Haiti	14.1	13.2	13.9	13.2	50.4	50.4	7.0	6.7
Honduras	3.4	4.6	-1.4	1.7	31.8	31.8	-0.4	0.5
Iraq	-0.8	0.8	-3.3	-0.6	35.0	35.0	-1.2	-0.2
Jordan	2.5	3.0	-1.4	-1.3	35.2	35.2	-0.5	-0.5
Kenya	7.0	4.8	12.5	4.7	36.0	36.0	4.5	1.7
Madagascar	6.9	..	5.6	..	60.0	60.0	3.4	..
Malawi	18.1	4.5	21.0	8.4	50.0	50.0	10.5	4.2
Malaysia	3.2	3.5	4.0	2.7	56.3	56.3	2.3	1.5
Moldavia	3.0	6.5	3.8	8.4	60.0	60.0	2.3	5.0
Morocco	2.1	1.8	2.8	2.2	40.4	40.4	1.1	0.9
New Caledonia	0.9	1.4	2.8	1.4	21.0	21.0	0.6	0.3
Nicaragua	3.8	5.4	0.0	5.6	26.1	26.1	0.0	1.5
Niger	0.4	7.6	-2.9	7.2	40.0	40.0	-1.2	2.9
Nigeria	18.7	15.1	17.8	18.9	51.8	51.8	9.2	9.8
Pakistan	3.7	4.4	2.6	3.7	37.5	37.5	1.0	1.4
Panama	0.6	0.4	0.4	-1.9	33.6	33.6	0.1	-0.6
Paraguay	1.9	4.7	2.6	7.7	39.1	39.1	1.0	3.0
Peru	3.1	1.4	4.1	0.2	25.0	25.0	1.0	0.1
Philippines	2.7	3.9	3.4	4.5	39.0	39.0	1.3	1.8
Romania	0.1	4.3	1.1	3.8	37.4	37.4	0.4	1.4
Rwanda	12.0	0.1	10.0	-2.0	39.0	39.0	3.9	-0.8
Senegal	1.6	-0.3	5.6	-0.3	53.4	53.4	3.0	-0.2
Singapore	0.6	0.0	1.9	1.1	21.7	21.7	0.4	0.2
Sri Lanka	5.5	5.8	4.5	10.5	41.0	41.0	1.8	4.3
Chinese Taipei	2.2	0.9	3.0	0.8	23.7	23.7	0.7	0.2
Tanzania	5.2	4.0	7.6	6.3	38.5	38.5	2.9	2.4
Thailand	2.2	0.7	2.4	0.1	33.0	33.0	0.8	0.0
Tunisia	4.6	6.9	4.7	7.9	28.7	28.7	1.3	2.3
Uganda	5.9	3.0	14.5	2.7	27.2	27.2	3.9	0.7
Zambia	7.0	6.2	7.4	4.6	52.5	52.5	3.9	2.4

.. Not available

1. No data available for January 2018 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 2018-2027

Access the complete publication at:
https://doi.org/10.1787/agr_outlook-2018-en

Please cite this chapter as:

OECD/Food and Agriculture Organization of the United Nations (2018), "Statistical Annex", in *OECD-FAO Agricultural Outlook 2018-2027*, OECD Publishing, Paris/Food and Agriculture Organization of the United Nations, Rome.

DOI: https://doi.org/10.1787/agr_outlook-2018-16-en

This work is published under the responsibility of the Secretary-General of the OECD. The opinions expressed and arguments employed herein do not necessarily reflect the official views of OECD member countries.

This document and any map included herein are without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

You can copy, download or print OECD content for your own use, and you can include excerpts from OECD publications, databases and multimedia products in your own documents, presentations, blogs, websites and teaching materials, provided that suitable acknowledgment of OECD as source and copyright owner is given. All requests for public or commercial use and translation rights should be submitted to rights@oecd.org. Requests for permission to photocopy portions of this material for public or commercial use shall be addressed directly to the Copyright Clearance Center (CCC) at info@copyright.com or the Centre français d'exploitation du droit de copie (CFC) at contact@cfcopies.com.