

Table C.1. World cereal projections

Marketing year

		Average 2016-18est	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
WHEAT												
World												
Production	Mt	752.2	766.4	772.9	781.0	788.8	796.5	804.8	812.8	821.6	829.8	838.0
Area	Mha	219.0	220.5	220.2	220.2	220.2	220.2	220.4	220.5	220.8	220.9	221.0
Yield	t/ha	3.43	3.48	3.51	3.55	3.58	3.62	3.65	3.69	3.72	3.76	3.79
Consumption	Mt	741.1	751.6	764.7	776.0	787.1	795.1	802.1	810.1	818.4	826.7	834.8
Feed use	Mt	146.3	147.8	150.9	153.1	155.4	157.5	159.4	161.4	163.5	165.5	167.7
Food use	Mt	503.4	512.5	518.4	525.5	531.5	535.1	538.0	542.3	546.5	550.8	554.5
Biofuel use	Mt	12.3	12.6	12.8	13.1	13.4	13.7	14.0	14.5	14.9	15.3	15.7
Other use	Mt	79.1	78.7	82.6	84.3	86.8	88.8	90.7	92.0	93.5	95.1	96.9
Exports	Mt	176.6	181.4	185.2	187.3	189.9	191.9	193.9	196.7	199.2	201.7	204.0
Closing stocks	Mt	286.0	301.6	309.8	314.8	316.6	317.9	320.6	323.3	326.5	329.6	332.8
Price ¹	USD/t	221.1	225.9	217.1	216.0	217.4	221.0	224.9	227.9	231.4	234.7	237.5
Developed countries												
Production	Mt	394.3	402.9	405.6	409.4	412.7	415.8	419.6	423.3	427.6	431.3	434.8
Consumption	Mt	273.6	271.3	273.3	275.3	277.7	279.6	281.0	282.7	284.6	286.3	288.1
Net trade	Mt	122.2	126.8	130.4	132.6	135.1	136.9	138.3	140.8	142.7	144.8	146.5
Closing stocks	Mt	79.8	77.1	79.1	80.6	80.4	79.7	80.0	79.9	80.2	80.4	80.6
Developing countries												
Production	Mt	357.9	363.6	367.3	371.5	376.2	380.7	385.1	389.5	394.0	398.5	403.2
Consumption	Mt	467.5	480.2	491.4	500.7	509.3	515.5	521.1	527.4	533.8	540.3	546.8
Net trade	Mt	-120.5	-126.8	-130.4	-132.6	-135.1	-136.9	-138.3	-140.8	-142.7	-144.8	-146.5
Closing stocks	Mt	206.2	224.5	230.7	234.2	236.2	238.2	240.6	243.4	246.2	249.2	252.2
OECD²												
Production	Mt	282.3	291.6	292.8	294.8	296.3	297.8	299.9	301.8	304.4	306.4	308.3
Consumption	Mt	225.4	225.6	227.1	228.8	230.7	232.2	233.2	234.4	235.8	237.1	238.4
Net trade	Mt	57.9	63.7	64.0	64.7	65.6	65.9	66.8	67.7	68.4	69.2	69.7
Closing stocks	Mt	65.1	62.0	63.8	65.0	65.0	64.7	64.7	64.5	64.7	64.8	64.9
MAIZE												
World												
Production	Mt	1 128.2	1 151.5	1 168.2	1 184.8	1 201.5	1 219.5	1 237.1	1 256.9	1 275.3	1 293.6	1 311.2
Area	Mha	190.2	190.2	191.1	191.7	192.6	193.5	194.2	195.2	196.1	196.9	197.5
Yield	t/ha	5.93	6.05	6.11	6.18	6.24	6.30	6.37	6.44	6.50	6.57	6.64
Consumption	Mt	1 111.5	1 159.2	1 177.6	1 192.8	1 207.4	1 225.1	1 240.1	1 255.5	1 270.0	1 286.0	1 300.7
Feed use	Mt	651.9	678.6	690.7	700.4	708.9	721.3	731.1	741.3	751.0	762.2	772.0
Food use	Mt	133.9	138.7	141.0	143.5	146.0	148.5	151.0	153.5	156.1	158.7	161.3
Biofuel use	Mt	178.5	181.6	183.0	184.0	185.3	186.3	187.4	188.0	188.7	189.2	189.7
Other use	Mt	100.0	112.4	114.5	116.1	117.8	119.2	120.3	121.7	122.8	124.1	125.3
Exports	Mt	160.1	169.1	171.7	173.8	176.5	179.2	182.1	185.0	187.9	190.8	193.6
Closing stocks	Mt	374.9	339.5	319.1	300.0	283.1	266.4	252.3	242.7	237.0	233.5	233.0
Price ³	USD/t	158.5	160.6	164.5	165.8	169.0	171.9	175.3	178.3	181.6	184.2	186.0
Developed countries												
Production	Mt	520.5	528.9	536.3	541.4	545.6	549.9	554.0	558.5	563.0	567.0	570.8
Consumption	Mt	461.1	468.4	475.2	478.9	482.0	486.5	489.4	492.6	495.8	498.7	501.3
Net trade	Mt	57.9	58.3	59.3	60.5	61.8	62.8	64.3	65.4	66.7	67.8	69.0
Closing stocks	Mt	84.7	78.9	80.7	82.6	84.4	85.1	85.4	85.9	86.4	87.0	87.5
Developing countries												
Production	Mt	607.6	622.6	631.8	643.4	655.9	669.6	683.1	698.4	712.4	726.6	740.4
Consumption	Mt	650.4	690.7	702.3	713.9	725.4	738.6	750.7	762.9	774.2	787.4	799.5
Net trade	Mt	-46.8	-47.3	-48.3	-49.5	-50.7	-51.7	-53.2	-54.4	-55.6	-56.8	-58.0
Closing stocks	Mt	290.3	260.6	238.4	217.4	198.6	181.3	166.9	156.8	150.6	146.5	145.5
OECD²												
Production	Mt	487.4	494.1	500.2	504.4	507.5	510.9	513.9	517.3	520.7	523.7	526.3
Consumption	Mt	485.3	494.1	501.7	505.6	508.7	513.4	516.4	519.7	523.1	526.1	528.8
Net trade	Mt	0.6	-2.8	-3.6	-3.2	-2.9	-3.0	-2.8	-2.9	-2.9	-2.9	-2.9
Closing stocks	Mt	83.9	77.8	79.9	81.9	83.6	84.2	84.5	84.9	85.4	85.9	86.3

ANNEX C

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

Marketing year

		Average 2016-18est	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
OTHER COARSE GRAINS												
World												
Production	Mt	292.1	299.1	301.0	304.1	306.8	309.3	312.5	315.5	318.7	321.9	325.0
Area	Mha	154.2	156.1	155.6	155.9	155.9	156.0	156.3	156.6	156.8	157.1	157.3
Yield	t/ha	1.89	1.92	1.93	1.95	1.97	1.98	2.00	2.01	2.03	2.05	2.07
Consumption	Mt	290.8	293.0	298.2	300.8	304.0	306.9	310.2	313.4	316.4	319.7	322.9
Feed use	Mt	161.7	162.4	164.8	165.9	167.2	168.7	170.1	171.6	172.8	174.3	175.6
Food use	Mt	77.7	79.1	80.7	81.9	83.5	84.6	86.2	87.6	89.0	90.5	92.1
Biofuel use	Mt	9.4	9.5	9.6	9.6	9.8	9.9	10.0	10.1	10.2	10.2	10.3
Other use	Mt	42.1	42.1	43.2	43.3	43.5	43.8	44.0	44.2	44.4	44.6	44.9
Exports	Mt	43.1	40.5	41.1	41.6	42.3	42.8	43.6	44.2	44.8	45.4	46.1
Closing stocks	Mt	53.7	57.5	58.7	60.4	61.7	62.5	63.2	63.7	64.4	65.0	65.5
Price ⁴	USD/t	189.9	189.2	188.3	190.3	192.5	197.6	201.3	205.6	210.1	213.7	216.1
Developed countries												
Production	Mt	180.0	182.1	182.7	183.8	184.7	185.1	186.0	186.8	187.7	188.6	189.4
Consumption	Mt	150.1	149.4	151.7	151.7	152.3	152.7	153.2	153.6	153.8	154.2	154.6
Net trade	Mt	31.6	29.0	30.1	30.7	31.6	31.9	32.6	33.1	33.6	34.2	34.8
Closing stocks	Mt	28.7	31.0	31.9	33.3	34.1	34.6	34.9	35.0	35.3	35.5	35.5
Developing countries												
Production	Mt	112.0	117.0	118.2	120.4	122.2	124.2	126.4	128.6	130.9	133.3	135.6
Consumption	Mt	140.7	143.6	146.5	149.1	151.7	154.2	157.0	159.7	162.6	165.4	168.3
Net trade	Mt	-27.9	-27.4	-28.5	-29.2	-30.0	-30.3	-31.0	-31.5	-32.0	-32.6	-33.2
Closing stocks	Mt	25.0	26.5	26.7	27.2	27.6	27.9	28.3	28.6	29.1	29.5	30.0
OECD²												
Production	Mt	145.9	149.7	150.0	150.6	151.0	151.1	151.5	151.9	152.3	152.8	153.2
Consumption	Mt	128.8	128.1	129.9	130.3	130.5	130.7	130.9	131.3	131.4	131.7	132.0
Net trade	Mt	20.2	18.9	19.4	19.5	20.0	19.9	20.3	20.5	20.8	21.1	21.4
Closing stocks	Mt	20.3	20.9	21.6	22.4	23.0	23.5	23.8	23.9	24.0	24.0	23.9
RICE												
World												
Production	Mt	513.4	526.9	532.1	537.9	543.8	549.1	554.8	560.7	566.6	572.4	578.2
Area	Mha	165.8	167.5	167.3	167.1	167.1	166.9	166.8	166.8	166.7	166.6	166.5
Yield	t/ha	3.10	3.15	3.18	3.22	3.26	3.29	3.33	3.36	3.40	3.44	3.47
Consumption	Mt	510.5	524.1	530.8	537.0	543.3	548.9	554.6	560.3	566.1	571.8	577.6
Feed use	Mt	17.8	17.0	17.5	17.7	17.9	18.0	18.1	18.3	18.5	18.7	18.9
Food use	Mt	408.7	419.6	424.7	429.5	434.7	439.5	444.2	448.9	453.7	458.4	463.1
Exports	Mt	47.3	49.9	51.4	52.2	53.1	54.1	55.1	56.2	57.3	58.4	59.6
Closing stocks	Mt	171.7	178.9	180.2	181.0	181.6	181.7	182.0	182.5	183.0	183.6	184.1
Price ⁵	USD/t	422.7	436.4	431.5	433.7	434.8	441.3	448.5	454.5	460.5	465.7	470.3
Developed countries												
Production	Mt	17.9	18.1	18.1	18.2	18.4	18.4	18.5	18.6	18.7	18.8	18.9
Consumption	Mt	20.0	20.2	20.3	20.3	20.3	20.4	20.4	20.5	20.6	20.6	20.6
Net trade	Mt	-1.8	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
Closing stocks	Mt	4.6	4.1	3.7	3.5	3.4	3.3	3.2	3.3	3.3	3.4	3.6
Developing countries												
Production	Mt	495.6	508.8	514.0	519.7	525.4	530.6	536.3	542.1	547.9	553.6	559.2
Consumption	Mt	490.5	504.0	510.5	516.8	523.0	528.5	534.1	539.8	545.5	551.2	557.0
Net trade	Mt	1.3	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Closing stocks	Mt	167.1	174.9	176.5	177.6	178.2	178.5	178.8	179.2	179.7	180.1	180.5
OECD²												
Production	Mt	21.4	21.6	21.6	21.7	21.8	21.8	21.9	21.9	21.9	22.0	22.0
Consumption	Mt	23.8	23.7	23.9	23.9	23.9	23.9	23.9	23.9	24.0	23.9	24.0
Net trade	Mt	-2.0	-1.8	-1.9	-2.0	-2.0	-2.0	-2.0	-2.1	-2.1	-2.1	-2.1
Closing stocks	Mt	5.7	5.1	4.7	4.5	4.4	4.3	4.3	4.3	4.3	4.3	4.6

Note: Marketing year: See Glossary of Terms for definitions. Average 2016-18est: Data for 2018 are estimated. Prices are in nominal terms.

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

Source: OECD/FAO (2019), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). doi: dx.doi.org/10.1787/agr-outl-data-en