

ANNEX C

Table C.1. World cereal projections

Marketing year

		Average 2017-19est	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
WHEAT												
World												
Production	Mt	752.5	764.9	774.2	782.5	791.6	799.9	807.5	815.4	823.0	830.8	838.5
Area	Mha	216.4	217.0	217.6	217.5	217.6	217.7	217.7	217.7	217.7	217.6	217.6
Yield	t/ha	3.48	3.52	3.56	3.60	3.64	3.67	3.71	3.75	3.78	3.82	3.85
Consumption	Mt	747.4	761.0	770.7	780.0	787.6	795.3	802.9	810.8	818.4	826.1	833.8
Feed use	Mt	149.4	152.9	154.0	155.9	157.6	159.5	161.4	163.3	165.0	167.0	168.9
Food use	Mt	511.5	521.2	527.2	532.4	537.1	541.2	545.7	550.1	554.5	558.6	562.6
Biofuel use	Mt	9.2	9.0	8.9	8.9	8.9	9.0	9.1	9.3	9.5	9.7	9.8
Other use	Mt	77.4	77.9	80.6	82.8	83.9	85.7	86.6	88.0	89.4	90.9	92.5
Exports	Mt	173.1	184.2	188.9	192.4	196.1	199.1	201.8	204.5	207.1	209.8	212.5
Closing stocks	Mt	270.1	274.4	277.9	280.3	284.4	288.9	293.6	298.2	302.7	307.4	312.0
Price ¹	USD/t	225.4	217.0	218.8	222.4	227.9	232.1	236.4	240.7	244.8	249.1	253.4
Developed countries												
Production	Mt	388.6	402.1	406.1	410.2	414.9	419.2	423.2	427.1	430.7	434.4	438.1
Consumption	Mt	273.8	272.3	271.5	272.4	273.7	275.1	276.4	278.0	279.4	280.8	282.3
Net trade	Mt	118.4	129.5	134.1	137.5	140.9	143.5	145.8	148.2	150.5	152.7	155.0
Closing stocks	Mt	74.8	70.7	71.1	71.4	71.6	72.2	73.1	74.1	74.9	75.8	76.6
Developing countries												
Production	Mt	364.0	362.8	368.1	372.3	376.7	380.7	384.4	388.3	392.3	396.3	400.4
Consumption	Mt	473.7	488.7	499.1	507.6	513.9	520.2	526.5	532.8	539.0	545.3	551.5
Net trade	Mt	-118.2	-129.5	-134.1	-137.5	-140.9	-143.5	-145.8	-148.2	-150.5	-152.7	-155.0
Closing stocks	Mt	195.3	203.7	206.8	209.0	212.8	216.7	220.4	224.1	227.8	231.6	235.4
OECD²												
Production	Mt	275.9	285.6	287.1	288.5	290.3	292.3	294.4	296.6	298.6	300.6	302.7
Consumption	Mt	225.5	224.3	224.2	224.8	225.7	226.5	227.4	228.6	229.7	230.7	231.8
Net trade	Mt	52.1	60.8	61.9	63.0	64.2	65.2	66.2	67.2	68.2	69.2	70.2
Closing stocks	Mt	63.4	60.8	61.7	62.4	62.7	63.2	64.1	64.8	65.5	66.2	66.8
MAIZE												
World												
Production	Mt	1 122.1	1 160.1	1 173.1	1 187.3	1 205.3	1 223.4	1 242.6	1 260.4	1 278.6	1 296.6	1 315.2
Area	Mha	188.9	191.0	191.5	192.2	193.0	193.8	194.6	195.3	196.1	196.9	197.6
Yield	t/ha	5.94	6.07	6.13	6.18	6.24	6.31	6.39	6.45	6.52	6.59	6.65
Consumption	Mt	1 141.5	1 172.6	1 193.2	1 204.6	1 222.8	1 237.4	1 252.6	1 266.5	1 282.5	1 297.7	1 313.2
Feed use	Mt	675.1	684.1	694.7	706.6	720.5	733.0	746.0	756.1	768.2	779.6	791.3
Food use	Mt	141.8	145.9	147.8	149.9	151.9	154.0	156.1	158.1	160.2	162.3	164.4
Biofuel use	Mt	181.4	186.0	187.2	187.7	188.0	188.3	188.9	189.0	189.4	189.7	190.0
Other use	Mt	97.6	111.2	117.6	114.3	115.8	115.1	114.1	115.2	116.1	117.1	118.1
Exports	Mt	158.5	163.2	167.1	170.5	174.4	177.8	181.1	184.3	187.5	190.9	194.3
Closing stocks	Mt	358.4	315.5	295.4	278.1	260.7	246.7	236.7	230.6	226.7	225.6	227.6
Price ³	USD/t	165.2	168.1	171.3	174.5	178.2	181.1	184.3	187.7	190.8	194.1	197.6
Developed countries												
Production	Mt	511.4	524.1	528.3	533.0	537.9	542.9	547.6	552.2	556.9	561.6	566.4
Consumption	Mt	464.0	469.4	473.1	476.0	479.9	483.2	486.5	489.6	492.6	495.7	498.8
Net trade	Mt	49.5	53.3	53.7	55.3	57.3	59.0	60.6	62.2	63.9	65.5	67.3
Closing stocks	Mt	90.2	86.1	87.6	89.4	89.9	90.5	91.0	91.5	91.9	92.3	92.6
Developing countries												
Production	Mt	610.7	636.0	644.9	654.2	667.5	680.6	695.1	708.2	721.6	735.0	748.8
Consumption	Mt	677.6	703.2	720.1	728.6	742.8	754.2	766.2	776.9	789.9	802.0	814.4
Net trade	Mt	-51.2	-53.3	-53.7	-55.3	-57.3	-59.0	-60.6	-62.2	-63.9	-65.5	-67.3
Closing stocks	Mt	268.1	229.3	207.8	188.8	170.7	156.2	145.7	139.2	134.8	133.3	134.9
OECD²												
Production	Mt	477.8	486.9	490.8	494.5	498.2	502.2	505.8	509.3	512.9	516.4	520.1
Consumption	Mt	496.8	504.0	508.2	511.6	516.1	519.8	523.5	527.1	530.6	534.2	537.8
Net trade	Mt	-17.3	-18.2	-19.2	-19.1	-18.5	-18.3	-18.3	-18.2	-18.2	-18.2	-18.0
Closing stocks	Mt	90.9	85.0	86.9	88.9	89.5	90.1	90.7	91.1	91.5	91.9	92.3

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

Marketing year

		Average 2017-19est	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
OTHER COARSE GRAINS												
World												
Production	Mt	289.8	296.5	299.2	301.6	303.4	306.2	308.8	311.4	313.9	316.4	318.9
Area	Mha	153.7	154.3	154.2	154.0	153.8	153.7	153.6	153.5	153.4	153.3	153.2
Yield	t/ha	1.89	1.92	1.94	1.96	1.97	1.99	2.01	2.03	2.05	2.06	2.08
Consumption	Mt	282.6	290.3	293.4	295.2	298.3	299.9	302.2	304.9	307.0	309.7	312.4
Feed use	Mt	144.9	146.1	148.2	150.4	151.8	153.0	154.1	155.2	156.4	157.6	158.9
Food use	Mt	78.9	80.0	81.1	82.3	83.2	84.0	84.9	85.9	86.9	87.9	89.0
Biofuel use	Mt	9.1	9.0	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.2
Other use	Mt	49.6	55.1	54.9	53.5	54.3	53.9	54.2	54.7	54.6	55.1	55.4
Exports	Mt	42.0	43.9	44.3	44.6	45.0	45.5	46.0	46.6	47.2	47.8	48.4
Closing stocks	Mt	50.4	55.6	55.5	56.1	55.3	55.8	56.5	57.2	58.2	59.0	59.6
Price ⁴	USD/t	196.9	188.6	193.2	197.3	204.6	209.7	214.2	218.0	221.7	225.7	229.6
Developed countries												
Production	Mt	173.3	178.8	179.6	180.5	180.9	181.9	182.8	183.7	184.4	185.2	186.0
Consumption	Mt	142.5	146.6	147.3	146.8	148.0	147.6	147.7	148.1	148.0	148.3	148.6
Net trade	Mt	30.3	32.0	32.5	32.9	33.5	34.1	34.7	35.4	36.0	36.6	37.3
Closing stocks	Mt	24.9	28.8	28.6	29.4	28.8	29.0	29.4	29.5	29.9	30.2	30.3
Developing countries												
Production	Mt	116.5	117.7	119.6	121.1	122.5	124.3	126.0	127.7	129.4	131.2	132.9
Consumption	Mt	140.1	143.7	146.1	148.4	150.3	152.3	154.5	156.7	159.0	161.4	163.8
Net trade	Mt	-24.4	-26.2	-26.7	-27.0	-27.6	-28.3	-28.8	-29.6	-30.2	-30.8	-31.4
Closing stocks	Mt	25.4	26.7	27.0	26.7	26.5	26.7	27.1	27.7	28.3	28.8	29.3
OECD²												
Production	Mt	140.1	145.5	145.8	146.4	146.5	147.2	147.8	148.3	148.7	149.1	149.6
Consumption	Mt	121.9	127.4	127.8	127.2	128.4	128.1	128.3	128.8	128.7	129.1	129.4
Net trade	Mt	17.9	18.3	18.4	18.3	18.7	19.0	19.2	19.5	19.7	19.9	20.1
Closing stocks	Mt	17.7	20.6	20.2	21.0	20.5	20.7	21.0	21.0	21.3	21.5	21.5
RICE												
World												
Production	Mt	515.0	532.5	535.7	540.1	545.1	550.7	557.0	563.0	569.3	575.5	581.8
Area	Mha	164.9	166.2	165.9	165.7	165.6	165.6	165.6	165.6	165.6	165.6	165.6
Yield	t/ha	3.12	3.20	3.23	3.26	3.29	3.33	3.36	3.40	3.44	3.47	3.51
Consumption	Mt	511.7	529.5	535.7	541.2	545.9	551.5	557.1	562.7	568.6	574.6	580.8
Feed use	Mt	17.8	17.5	17.7	18.0	18.2	18.5	18.7	18.9	19.1	19.4	19.6
Food use	Mt	414.2	428.5	432.6	436.0	439.1	443.5	447.8	452.0	456.4	460.7	465.1
Exports	Mt	47.2	49.0	50.5	51.5	52.7	54.2	55.8	57.2	58.8	60.4	62.1
Closing stocks	Mt	178.2	181.9	181.6	180.4	179.4	178.3	178.0	178.1	178.6	179.3	180.1
Price ⁵	USD/t	428.7	435.3	431.8	434.1	441.3	449.4	455.7	462.2	467.5	472.3	476.2
Developed countries												
Production	Mt	17.6	18.7	18.2	18.3	18.4	18.4	18.4	18.4	18.5	18.5	18.7
Consumption	Mt	20.4	20.6	20.5	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5
Net trade	Mt	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1
Closing stocks	Mt	4.2	3.7	3.4	3.4	3.4	3.4	3.5	3.5	3.6	3.8	4.1
Developing countries												
Production	Mt	497.4	513.8	517.4	521.8	526.7	532.3	538.5	544.6	550.8	557.0	563.0
Consumption	Mt	491.3	508.9	515.1	520.7	525.4	531.0	536.6	542.2	548.1	554.1	560.2
Net trade	Mt	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3
Closing stocks	Mt	173.9	178.2	178.2	177.0	176.0	174.9	174.5	174.6	175.0	175.5	176.0
OECD²												
Production	Mt	22.4	23.5	23.0	23.1	23.1	23.1	23.2	23.1	23.1	23.1	23.3
Consumption	Mt	25.7	25.8	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7
Net trade	Mt	-2.4	-2.4	-2.4	-2.5	-2.5	-2.5	-2.6	-2.6	-2.6	-2.6	-2.7
Closing stocks	Mt	5.7	5.2	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.4	5.7

Note: Marketing year: See Glossary of Terms for definitions. Average 2017-19est: Data for 2019 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 (2020), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en