

ANNEX C

Table C.1. World cereal projections

Marketing year

		Average 2019-21est	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
WHEAT												
World												
Production	Mt	769.7	785.3	788.0	792.9	798.0	805.1	812.7	819.9	826.6	833.3	840.1
Area	Mha	219.8	224.6	223.8	223.7	223.6	224.0	224.5	225.0	225.3	225.6	225.9
Yield	t/ha	3.50	3.50	3.52	3.54	3.57	3.59	3.62	3.64	3.67	3.69	3.72
Consumption	Mt	756.6	785.8	784.5	790.0	796.3	803.3	810.6	818.0	824.9	832.0	838.7
Feed use	Mt	148.7	157.5	159.0	160.4	161.0	162.0	163.5	165.0	166.4	167.6	168.5
Food use	Mt	524.8	537.3	542.7	547.8	552.7	557.6	562.6	567.4	572.2	576.8	581.4
Biofuel use	Mt	8.7	9.3	9.4	9.5	9.8	10.2	10.5	10.8	11.2	11.6	12.0
Other use	Mt	74.4	81.7	73.5	72.3	72.7	73.5	74.0	74.8	75.2	75.9	76.7
Exports	Mt	189.8	187.2	193.4	197.9	201.2	204.4	207.2	210.0	212.7	215.2	217.9
Closing stocks	Mt	288.2	297.5	301.0	303.9	305.6	307.4	309.5	311.4	313.1	314.5	315.9
Price ¹	USD/t	287.1	345.7	284.1	260.4	256.7	256.0	260.0	262.7	265.2	268.2	271.0
Developed countries												
Production	Mt	396.5	398.6	399.0	401.2	403.8	407.6	411.7	415.2	418.5	421.9	425.2
Consumption	Mt	261.4	275.4	265.7	263.9	263.8	264.4	265.6	266.3	267.1	268.3	269.1
Net trade	Mt	133.9	126.2	131.9	136.5	139.8	142.9	145.5	148.2	150.8	153.2	155.7
Closing stocks	Mt	73.5	76.9	78.3	79.1	79.4	79.6	80.1	80.8	81.4	81.7	82.1
Developing countries												
Production	Mt	373.2	386.7	389.0	391.7	394.2	397.5	401.0	404.7	408.1	411.5	414.8
Consumption	Mt	495.3	510.4	518.8	526.1	532.5	538.8	545.0	551.7	557.8	563.7	569.6
Net trade	Mt	-129.5	-126.2	-131.9	-136.5	-139.8	-142.9	-145.5	-148.2	-150.8	-153.2	-155.7
Closing stocks	Mt	214.7	220.5	222.7	224.8	226.2	227.8	229.4	230.6	231.7	232.7	233.7
OECD²												
Production	Mt	280.6	286.6	286.1	286.1	286.0	286.7	288.2	289.1	290.0	290.9	292.0
Consumption	Mt	216.5	220.9	220.9	221.2	221.0	220.5	221.1	221.2	221.6	222.1	222.5
Net trade	Mt	67.3	63.3	64.7	64.3	64.7	65.7	66.6	67.5	68.1	68.6	69.2
Closing stocks	Mt	57.8	56.7	57.1	57.8	58.1	58.6	59.1	59.5	59.9	60.1	60.5
MAIZE												
World												
Production	Mt	1 173.3	1 206.6	1 221.8	1 235.2	1 248.2	1 262.4	1 276.6	1 292.0	1 306.2	1 320.9	1 335.0
Area	Mha	200.4	203.5	205.0	205.8	206.4	206.9	207.6	208.5	209.2	209.9	210.6
Yield	t/ha	5.85	5.93	5.96	6.00	6.05	6.10	6.15	6.20	6.24	6.29	6.34
Consumption	Mt	1 181.7	1 217.3	1 230.0	1 242.9	1 252.4	1 266.1	1 279.2	1 292.9	1 306.9	1 321.5	1 336.1
Feed use	Mt	690.2	714.9	728.5	737.5	746.5	756.0	765.7	775.8	785.9	796.2	806.3
Food use	Mt	146.3	151.3	154.1	156.6	159.1	161.5	163.9	166.4	168.8	171.3	173.7
Biofuel use	Mt	182.8	189.7	187.9	187.6	187.8	187.9	188.1	188.3	188.4	188.6	188.8
Other use	Mt	118.9	116.2	114.1	115.4	113.1	114.5	115.3	116.1	117.1	118.6	120.2
Exports	Mt	174.0	174.3	175.1	174.6	177.3	180.0	182.5	186.0	189.5	192.8	195.8
Closing stocks	Mt	305.8	310.7	307.5	304.9	305.7	307.0	309.3	313.4	317.8	322.1	326.0
Price ³	USD/t	221.8	268.0	218.0	200.0	196.1	195.8	199.8	201.6	202.9	204.5	206.0
Developed countries												
Production	Mt	527.1	537.6	541.0	545.4	549.3	554.2	558.4	563.4	567.8	572.6	577.2
Consumption	Mt	466.6	484.0	487.3	493.0	496.3	499.5	502.0	505.2	508.3	511.5	514.8
Net trade	Mt	60.3	57.3	53.9	52.4	53.9	55.4	56.2	57.3	58.5	59.9	61.3
Closing stocks	Mt	90.3	95.4	95.2	95.2	94.3	93.7	93.9	94.8	95.7	96.9	97.9
Developing countries												
Production	Mt	646.2	669.1	680.8	689.8	698.9	708.1	718.1	728.7	738.5	748.2	757.8
Consumption	Mt	715.1	733.3	742.7	749.9	756.1	766.6	777.2	787.8	798.6	810.0	821.4
Net trade	Mt	-67.6	-62.3	-58.9	-57.4	-58.9	-60.4	-61.2	-62.3	-63.5	-64.9	-66.3
Closing stocks	Mt	215.5	215.3	212.3	209.7	211.4	213.3	215.5	218.7	222.1	225.2	228.0
OECD²												
Production	Mt	481.1	503.8	506.6	510.2	512.7	515.8	518.1	520.9	523.4	526.2	528.7
Consumption	Mt	500.7	516.4	520.5	526.7	530.2	533.7	536.6	540.2	543.9	547.6	551.3
Net trade	Mt	-11.5	-13.4	-15.6	-18.2	-18.4	-18.5	-19.2	-20.3	-21.4	-22.4	-23.6
Closing stocks	Mt	75.9	70.8	72.6	74.2	75.1	75.8	76.5	77.5	78.4	79.4	80.4

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

Marketing year

		Average 2019-21est	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
OTHER COARSE GRAINS												
World												
Production	Mt	307.1	308.8	312.5	315.0	317.0	320.3	322.8	326.2	329.1	332.4	335.4
Area	Mha	148.4	149.9	150.6	150.7	150.4	150.6	150.5	150.7	150.7	150.9	150.9
Yield	t/ha	2.07	2.06	2.08	2.09	2.11	2.13	2.14	2.16	2.18	2.20	2.22
Consumption	Mt	299.2	305.1	307.4	309.8	312.5	316.2	318.7	321.9	324.7	327.8	330.8
Feed use	Mt	169.6	171.3	170.3	171.7	172.9	174.9	176.1	177.6	178.9	180.3	181.6
Food use	Mt	80.3	84.7	86.1	87.8	89.1	90.7	92.0	93.5	94.8	96.3	97.6
Biofuel use	Mt	4.8	5.1	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5
Other use	Mt	44.5	44.1	46.0	45.3	45.3	45.5	45.4	45.5	45.7	45.8	46.0
Exports	Mt	47.9	47.6	48.1	48.5	48.6	49.2	50.0	50.7	51.3	52.1	52.6
Closing stocks	Mt	61.3	60.9	62.3	63.8	64.7	65.2	65.6	66.3	67.0	68.0	69.0
Price ⁴	USD/t	244.7	318.9	259.0	236.8	231.4	229.0	234.0	237.1	240.2	242.9	245.4
Developed countries												
Production	Mt	188.7	181.1	182.5	183.0	183.5	184.6	185.3	186.5	187.5	188.6	189.5
Consumption	Mt	149.7	148.0	148.3	147.5	147.5	148.1	148.0	148.3	148.6	148.9	149.2
Net trade	Mt	35.1	34.4	34.4	35.1	35.5	36.4	37.2	38.0	38.6	39.3	39.9
Closing stocks	Mt	32.9	33.6	33.4	33.8	34.4	34.5	34.6	34.8	35.1	35.4	35.8
Developing countries												
Production	Mt	118.4	127.7	130.0	131.9	133.4	135.7	137.5	139.7	141.6	143.9	146.0
Consumption	Mt	149.5	157.1	159.2	162.3	165.0	168.1	170.7	173.6	176.1	178.9	181.5
Net trade	Mt	-31.5	-30.7	-30.8	-31.5	-31.8	-32.7	-33.6	-34.3	-35.0	-35.7	-36.3
Closing stocks	Mt	28.4	27.3	28.9	30.0	30.3	30.7	31.0	31.5	31.9	32.6	33.3
OECD²												
Production	Mt	154.5	150.3	151.4	151.5	151.5	152.0	152.3	153.0	153.5	154.0	154.4
Consumption	Mt	129.2	128.3	128.6	127.9	127.8	128.5	128.5	128.8	129.2	129.6	130.0
Net trade	Mt	22.2	23.9	23.2	23.2	23.0	23.4	23.8	24.0	24.1	24.2	24.1
Closing stocks	Mt	24.1	23.3	23.0	23.4	24.1	24.3	24.3	24.5	24.7	25.0	25.3
RICE												
World												
Production	Mt	516.3	530.1	537.2	542.8	549.3	555.6	562.0	568.1	573.8	579.3	584.4
Area	Mha	164.0	165.4	166.0	165.7	165.6	165.5	165.4	165.4	165.3	165.2	165.1
Yield	t/ha	3.15	3.20	3.24	3.28	3.32	3.36	3.40	3.44	3.47	3.51	3.54
Consumption	Mt	511.4	527.7	534.8	541.5	548.0	554.2	560.5	566.7	572.6	578.4	583.7
Feed use	Mt	19.8	21.6	20.7	19.9	20.1	20.4	20.8	21.2	21.5	21.9	22.2
Food use	Mt	419.7	432.2	437.7	443.1	448.3	453.3	458.2	462.8	467.3	471.6	475.7
Exports	Mt	48.8	52.7	52.9	54.0	55.3	57.1	58.7	60.2	61.6	63.0	64.5
Closing stocks	Mt	195.9	201.7	204.0	205.4	206.7	208.2	209.7	211.1	212.3	213.1	213.8
Price ⁵	USD/t	404.0	398.4	400.5	404.8	408.8	410.6	411.9	412.7	413.7	414.7	415.9
Developed countries												
Production	Mt	17.6	17.6	17.5	17.3	17.3	17.3	17.3	17.3	17.2	17.2	17.2
Consumption	Mt	19.6	19.6	19.6	19.7	19.8	19.9	19.9	20.0	20.1	20.1	20.2
Net trade	Mt	-2.6	-2.8	-2.8	-2.9	-2.9	-2.8	-2.9	-2.9	-2.9	-2.9	-3.0
Closing stocks	Mt	11.4	13.1	13.7	14.3	14.7	15.0	15.3	15.4	15.5	15.5	15.4
Developing countries												
Production	Mt	498.7	512.5	519.7	525.5	532.0	538.3	544.8	550.8	556.5	562.1	567.2
Consumption	Mt	491.8	508.1	515.2	521.8	528.2	534.3	540.6	546.7	552.5	558.3	563.5
Net trade	Mt	4.8	2.8	2.8	2.9	2.9	2.8	2.9	2.9	2.9	2.9	3.0
Closing stocks	Mt	184.4	188.6	190.3	191.1	192.0	193.1	194.4	195.7	196.8	197.6	198.4
OECD²												
Production	Mt	22.3	22.4	22.3	22.1	22.0	21.9	21.7	21.6	21.5	21.4	21.3
Consumption	Mt	24.5	24.8	24.9	24.9	24.8	24.8	24.9	24.9	25.0	25.0	25.0
Net trade	Mt	-3.1	-3.1	-3.1	-3.2	-3.3	-3.3	-3.4	-3.5	-3.5	-3.6	-3.7
Closing stocks	Mt	13.2	15.0	15.6	16.0	16.5	16.8	17.0	17.2	17.3	17.3	17.2

Note: Marketing year: See Glossary of Terms for definitions. Average 2019-21est: Data for 2021 are estimated. Prices are in nominal terms.

1. No.2 hard red winter wheat, ordinary protein, United States FOB Gulf Ports (June/May).

2. Excludes Iceland and Costa Rica but includes all EU member countries.

3. No.2 yellow corn, United States FOB Gulf Ports (September/August).

4. Feed barley, Europe, FOB Rouen (July/June).

5. FAO all rice price index normalised to India, indica high quality 5% broken average 2014-2016 (January/December).

Source: OECD/FAO (2022), "OECD-FAO Agricultural Outlook", OECD Agriculture statistics (database). dx.doi.org/10.1787/agr-outl-data-en