

COARSE GRAINS

The forecast for global coarse grains production in 2020 points to a 2.4 percent increase from 2019 to a record 1 478 millions tonnes. Maize production is seen to rise by 1.9 percent to an all-time high, pegged at 1 160 million tonnes, largely driven by expectations of strong production rebounds in the United States of America (USA) and South Africa, as well as record harvests in Argentina and Brazil. Barley output is also set to rise, while sorghum production is forecast to rebound from the decline in 2019.

Total coarse grain utilization is heading to a new peak in 2020/21, forecast at 2 745 million tonnes, up 2.6 percent from 2019/20, mostly on predicted higher feed and other non-food uses. Feed use of maize is seen rising by 1.6 percent, boosted by anticipated strong demand in Argentina, Brazil and China. Global feed use of barley is expected to expand by 3.6 percent, while strong growth in sorghum feed use in China, driven by high domestic maize prices, is expected to push up global sorghum feed use by almost 16 percent. Forecast growth of other non-food uses of coarse grains mostly reflects brisker demand for starch and maize-based ethanol.

Global inventories in 2020/21 will likely drop slightly, amounting to 0.2 percent below their opening levels. Offsetting expected buildups of global barley, rye, and oat stocks, a 2.5 percent drop in world maize stocks is forecast to result from anticipated sharp drawdowns of maize inventories in China and, to a lesser extent, the EU. Without China, world maize carryovers are set to stay close to their opening levels, with the major exporters' stocks-to-disappearance ratio (defined as domestic consumption plus exports) remaining steady.

World trade in coarse grains in 2020/21 (July/June) is forecast to rise 4.7 percent year-on-year. A foreseen significant increase in maize purchases by China, driven by stronger feed demand and soaring domestic prices, as well as larger imports by the EU following a reduced harvest, could boost maize trade by 3.7 percent. Likewise, an anticipated rise in sorghum imports by China is seen to lift global trade in sorghum, while expectations of higher barley import demand in the EU and Morocco should drive up world barley trade. Reflecting this robust demand and export pace, international export prices of all major coarse grains remain elevated.

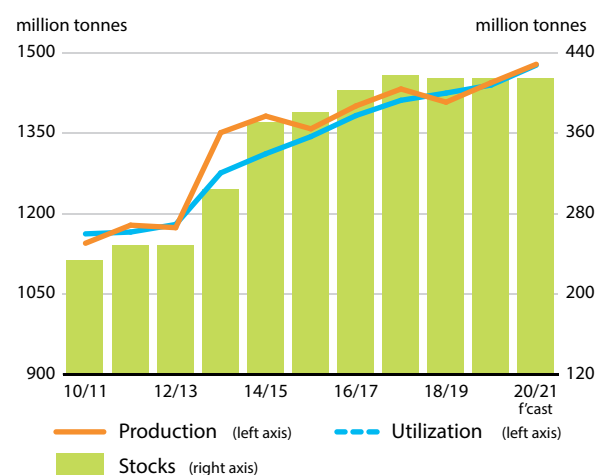
For additional analyses and updates, see:

FAO Cereal Supply and Demand Brief
<http://www.fao.org/worldfoodsituation>
 Crop Prospects and Food Situation
<http://www.fao.org/giews/reports/crop-prospects>
 AMIS Market Monitor
<http://www.amis-outlook.org/amis-monitoring>

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Coarse grain production, utilization and stocks



World coarse grain market at a glance

	2018/19	2019/10 <i>estim.</i>	2020/21 <i>f'cast</i>		Change: 2020/21 over 2019/20
			June	Nov.	
	million tonnes				%
WORLD BALANCE					
Production	1 407.7	1 444.0	1 513.5	1 478.3	2.4
Trade¹	198.8	210.0	207.9	219.8	4.7
Total utilization	1 424.7	1 439.6	1 468.0	1 476.7	2.6
Food	217.8	219.4	222.4	222.8	1.5
Feed	802.5	832.7	843.7	852.3	2.3
Other uses	404.4	387.5	401.9	401.7	3.6
Ending stocks²	412.9	413.9	464.6	413.0	-0.2
SUPPLY AND DEMAND INDICATORS					
Per caput food consumption:					
World (kg/yr)	28.5	28.4	28.5	28.6	0.5
LIFDC (kg/yr)	38.1	37.7	38.0	38.0	0.7
World stocks-to-use ratio (%)	28.7	28.0	30.5	27.0	
Major exporters stocks-to-disappearance ratio³ (%)	16.1	14.9	20.1	15.1	
FAO COARSE GRAIN PRICE INDEX (2014–2016=100)					
	2018	2019	2020 <i>Jan–Oct.</i>		% Change Jan/Oct 2020 over Jan/Oct 2019
	99	95	96		1.6

¹ Trade refers to exports based on a common July/June marketing season.

² May not equal the difference between supply (defined as production plus opening stocks) and utilization due to differences in individual countries' marketing years

³ Major exporters include Argentina, Australia, Brazil, Canada, the European Union, the Russian Federation, Ukraine and the United States of America.

GRAINS: MAJOR POLICY DEVELOPMENTS MID-MAY 2020 TO MID-OCTOBER 2020*

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
Algeria	Aug-20	Wheat	Government procurement	Announced that the Government will no longer subsidize durum wheat for pasta or common wheat not destined for bread manufacturing. Starting from November 2020, millers and manufacturers will buy durum for pasta and couscous manufacture and bread wheat destined for other types of flour from OAIC at a non-subsidized price of DZD 2 280 per quintal (USD 178.1 per tonne) and DZD 1 285 per quintal (USD 100.3 per tonne), respectively.
	Aug-20	Maize and Wheat	Value added tax	In view of the economic effects of the COVID-19 pandemic, announced that several basic food products, including wheat and maize flour, will no longer benefit from value added tax exemption and will now be taxed at 5 percent.
	Oct-20	Wheat	Production support	Announced a plan to double annual wheat flour production from the current 600 000 tonnes to 1.2 million tonnes by 2021.
Argentina	Jun-20	Maize	Government market intervention	Introduced new processing and labelling requirements for maize flour made for varieties that are grown and marketed in the country (G/TBT/N/ARG/393).
	Jun-20	Grains	Production support	Launched the 'Programa de Asistencia Crítica y Directa para la Agricultura Familiar, Campesina e Indígena' initiative, with a total budget of approximately USD 420 000. This will provide smallholder producers affected by the COVID-19 pandemic with direct financial support.
	Oct-20	Wheat	GMO policy	Approved the growth and consumption of HB4 drought-resistant transgenic wheat. Argentina is the first country in the world to approve genetically modified (GM) wheat.
	Oct-20	Maize	Biofuel	Adopted Resolution 4/2020, increasing the price of maize-based ethanol used in fuel blendings. The price increased from ARS 29.8 to ARS 32.7 (USD 0.39 to USD 0.42) per litre.
	Jun-20	Wheat	Import policy	Introduced a new sanitary and phytosanitary measure on imports of wheat (<i>Triticum aestivum</i>) produced in Lithuania, requiring imports to be free from soil and plant residue (G/SPS/N/BRA/1680).
	Jun-20	Wheat	Import quota	Increased the volume of the duty-free wheat import quota for non-MERCOSUR countries from 750 000 tonnes to 1.2 million tonnes. The import quota will be valid until November 2020.
	Jul-20	Maize	Pesticide regulation	Approved the use of dicamba-based herbicides, which are widely employed in the cultivation of genetically engineered maize.
	Jul-20	Grains	Production support	Presented the agricultural support programme for 2020/21, which includes a renewed focus on small- and medium-sized farms, new incentives for sustainable forms of production, and a further expansion in the federal crop insurance programme. Compared with 2019/20, the new programme features a higher total volume of farm loans and reduced average interest rates, while government expenditures for interest rate subsidies are set to increase by 15 percent.
	Sep-20	Maize	Import tariff	Introduced a 20 percent tariff rate quota on US ethanol imports for the next 90 days.
	Oct-20	Maize	Import tariff	Eliminated the 8 percent import tariffs for maize imports from non-MERCOSUR countries in order to maintain adequate supplies amid record domestic prices. Tariff-free maize imports will be valid from non-MERCOSUR countries until 31 March 2021.
Canada	Jul-20	Wheat	Trade agreement	The United States-Mexico-Canada Agreement came into effect. Effective from 1 August 2020, farmers will be requested to complete the Declaration of Eligibility for Delivery of Grain. This new standardized requirement is mandatory for all grain of approved varieties delivered anywhere in Canada, regardless of whether the grain was grown in the United States or Canada. According to the agreement, requirements for official inspection certificates to indicate that grain grown in the United States is of foreign or mixed origin will no longer be requested. This means that Canadian and US wheat will be labelled "non-foreign wheat".

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
Chile	Jun-20	Wheat	Import tariff	Decreased custom duties reductions on wheat and wheat flour import tariffs from USD 118.6 to USD 85.3 per tonne and from USD 185 to USD 133.1 per tonne, respectively.
	Aug-20	Wheat	Import tariff	Established new discounts on customs duties on wheat and wheat flour for a two-month period, starting 16 August 2020. Discounts for wheat imports are set at USD 104.27 per tonne, while for wheat flour at USD 162.66 per tonne.
	Jun-20	Maize	GMO policy	Renewed permits for five genetically modified maize varieties for another five years to be used in the livestock sector.
China (Mainland)	Jun-20	Barley and Sorghum	Import tariff	Raised import tariffs on Australian barley and sorghum imports which previously had tariff exemptions under a free trade agreement signed in 2015. Barley and sorghum will face a 3 and 2 percent tariff, respectively, until the end of 2020.
	Jul-20	Grains	Production support	Issued Key Policies to Strengthen Agriculture and Benefit Farmers, including continued subsidies for maize producers in Heilongjiang, Jilin, Liaoning and Inner Mongolia provinces. The move also includes monetary incentives for producing high-quality grain.
	Jul-20	Wheat	Stocks release	Announced plans to sell wheat from public reserves to animal feed producers via state firms rather than through auctions. The measure aims to support this sector from recent high maize prices due to tightening supplies.
	Jul-20	Wheat	Government support	Allocated CNY 330 million (USD 47 million) to a disaster relief fund to assist impacted agricultural sectors (including wheat) in southern provinces of Jiangsu, Anhui, Jiangxi, Hubei, Hunan, Guangxi and Sichuan.
	Jul-20	Wheat	Government support	Allocated CNY 11.48 billion (USD 1.7 billion) to farm machinery subsidies to help 1.21 million rural households, prioritizing key staple crops, including wheat.
	Sep-20	Barley	Import ban	Suspended barley imports from Australia's largest grain exporter, CBH Grain, after quarantine pests were found in barley exports from the company multiple times.
	Sep-20	Maize and wheat	Import quota	Announced the 2021 tariff rate quotas (TRQ) for wheat and maize, which are at the same level as last year. The TRQ was set at 9.6 million tonnes for wheat, of which 90 percent is allocated to state firms, and at 7.2 million tonnes for maize, of which 60 percent is allocated to state firms.
	Jul-20	Wheat	Government market intervention	Announced the provision of EGP 4 billion (USD 252 million) to the General Authority for Supply Commodities, the state grains authority, as part of funding to cover the costs of the food subsidy card system, breadmaking and distribution expenses, as well as the purchase of locally grown wheat, in response to the COVID-19 pandemic.
	Sep-20	Wheat	Futures market	Announced the creation of a commodities exchange for several products, including wheat. It will begin operations in the first half of 2021 and was established to provide protection for small-scale farmers and producers, and to make their stocks available to the wider market.
	Sep-20	Wheat	Food security	Adopted National Food Safety Authority Regulation No. 2/2020, which organizes the registration requirements and procedures, enforcement, technical and financial obligations of the Conformity Assessment Bodies required to conduct valid pre-shipment inspection. The regulation covers various products, including wheat.
Egypt	Oct-20	Wheat	Import policy	Announced that sellers of imported wheat will not be charged fees for sieving and fumigation services if dead insects are detected in their cargoes. The sieving fee was set at USD 2 per tonne and USD 50 cents per tonne for fumigation.
	Jun-20	Sorghum and rye	Import duty	Reduced sorghum and rye import duties from EUR 10.4 (USD 12.3) to EUR 4.65 (USD 5.24) per tonne.
	Jun-20	Maize	Import duty	Implemented regulation (EU) 2020/864, which reduced maize import duties by 55 percent to EUR 4.65 (USD 5.24) per tonne.
	Jun-20	Grains	Production support	Increased support for farmers affected by COVID-19. Member States can pay up to EUR 7 000 (USD 8 176.8) to farmers and up to EUR 50 000 (USD 58 450.4) to small and medium enterprises active in the processing, marketing or development of agricultural products.
European Union	Jun-20	Sorghum and rye	Import duty	Reduced sorghum and rye import duties from EUR 10.4 (USD 12.3) to EUR 4.65 (USD 5.24) per tonne.
	Jun-20	Maize	Import duty	Implemented regulation (EU) 2020/864, which reduced maize import duties by 55 percent to EUR 4.65 (USD 5.24) per tonne.
	Jun-20	Grains	Production support	Increased support for farmers affected by COVID-19. Member States can pay up to EUR 7 000 (USD 8 176.8) to farmers and up to EUR 50 000 (USD 58 450.4) to small and medium enterprises active in the processing, marketing or development of agricultural products.

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
European Union	Jul-20	Maize, sorghum and rye	Import duty	Removed import duties on maize, sorghum and rye, previously set in June, effective from 3 July.
	Aug-20	Maize, sorghum and rye	Import duty	Set import duties on maize, rye and sorghum at EUR 5.48 (USD 6.47) per tonne.
	Aug-20	Maize, sorghum and rye	Import duty	Lowered import duties on maize, sorghum and rye, early implemented at the beginning of August, to EUR 0.26 (USD 0.31) per tonne.
	Aug-20	Maize, sorghum and rye	Import duty	Removed import duties on maize, sorghum and rye, effective from 27 August.
India	Jun-20	Maize	Procurement price	Increased the minimum support price for maize by 5 percent to INR 1 850 per 100 kg (USD 245 per tonne).
	Jun-20	Maize	Import policy	Authorized imports of 500 000 tonnes of non-genetically modified maize in 2020/21 at a concessional tariff of 15 percent, down from 60 percent. Imports are addressed to end-consumers in the poultry and starch supply sectors.
	Jun-20	Wheat	Government market intervention	Extended until end-November 2020 the national scheme providing 5 kg of food grains free of charge to 800 million individuals. The programme had initially been launched in April in response to COVID-19.
	Jul-20	Coarse grains	Procurement price	Increased the minimum support prices (MSPs) of the mandated kharif crops for 2020/21. The MSP of maize increased by 5.1 percent, sorghum by 2.7 percent, and millet by 7.5 percent.
	Aug-20	Maize and wheat	GMO policy	Issued an interim order requiring traders to declare, from 1 January 2021, that imported crop products, including maize and wheat, are not genetically modified and are of non-GM origin. This directive does not apply to processed food products prepared with the concerned commodities, or to products imported for use as animal feed.
	Sep-20	Sorghum	Import policy	Capped the total benefit that can be granted to an Import Export Code (IEC) holder under the Merchandise Exports from India Scheme. The benefit has been capped at INR 2 crore (USD 273 860) per IEC holder for exports in the period 1 September 2020 to 31 December 2020.
	Sep-20	Wheat	Government market intervention	Passed a series of market reforms and long-term measures to increase the competitiveness of the country's agriculture sector and enhance the income of farmers. Key innovations include: the freedom of farmers to market their products to other entities in addition to government; the right of farmers to practise contract farming and engage directly with processors, wholesalers, large retailers and exporters; and the removal of price and stockholding limits for strategic commodities, including wheat.
Indonesia	Sep-20	Barley and wheat	Procurement price	Increased the MSPs for wheat by 2.6 percent to INR 1 975 per quintal (USD 267.6 per tonne) and for barley by nearly 5 percent to INR 1 600 per quintal (USD 217 per tonne).
	Jun-20	Grains	Export policy	Adopted strategic measures to facilitate and increase exports of processed food products. The measure aims to improve the country's trade balance in the second quarter of 2020 amid the COVID-19 pandemic.
	Jun-20	Maize	Production support	Announced plans to develop a farm estate of approximately 164 000 hectares on the island of Borneo to address food security concerns and reduce reliance on imports of staple foods, including maize.
	Jul-20	Grains	Bilateral agreement	The Indonesia-Australia Comprehensive Economic Partnership Agreement entered into force. All tariffs levied on imports from Indonesia were eliminated. Some 500 000 tonnes of Australian feed grains (wheat, sorghum and barley) were granted duty-free access in Indonesia. This volume will be progressively increased over an 11-year implementation period.

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
Italy	May-20	Grains	Government market intervention	Established a financial support scheme for companies in the primary production of agricultural products, including cereals. The scheme has a total budget of EUR 12 million (USD 13.3 million) and its aim is to support companies operating in this sector following the outbreak of COVID-19.
Japan	Sep-20	Wheat	Government procurement	Announced that from October, the price of imported wheat for millers would decrease to JPY 49 210 (USD 471.25) per tonne, a drop of 4.3 percent.
Kazakhstan	May-20	Wheat	Export ban	Announced that export restrictions on wheat and wheat flour introduced in the previous two months to ensure domestic supplies amid COVID-19 were to be lifted from 1 June 2020.
Malawi	Sep-20	Maize	Procurement price	Raised the maize purchase price to MWK 215 per kg (USD 280 per tonne), 7.5 percent higher than the previous level set in early 2020, to support producers amid low prices following an above-average harvest.
Mexico	May-20	Grains	Government market intervention	Abolished the applicable tax relief for fuel used by agricultural industries. The tax credit was at 36.8 percent for diesel used in the agricultural industry.
	Aug-20	Grains	Pesticide regulation	Announced that use of glyphosate would be gradually phased out, starting in 2024.
Morocco	Jun-20	Wheat	Government market intervention	Announced several measures to help farmers market their produce. These include a fixed price for wheat at MAD 2 800 (USD 280) per tonne, a biweekly storage premium for grain traders and Moroccan agricultural cooperatives, and a subsidy for millers and wheat buyers at the rate of MAD 50 (USD 5) per tonne.
Myanmar	May-20	Grains	Production support	Announced a loan of USD 1.25 billion for farmers, to support the production of several agricultural commodities, including cereals. The loan will be accessible at a 5 percent interest rate for farmers who have paid off their latest loans.
	Jul-20	Maize	Import ban	The central bank stopped access to foreign exchange for maize imports, to support domestic production.
	Aug-20	Wheat	Production support	Sealed an agreement with Turkish firm Milleral to build flour milling plants in the country, with a total milling capacity of 2 400 tonnes per day.
Nigeria	Sep-20	Maize and sorghum	Stocks release	Approved the release of 30 000 tonnes of maize from national reserves and 4 000 tonnes of millet and sorghum from regional ECOWAS strategic stocks.
	Sep-20	Maize	Import quota	Approved emergency maize import quotas for four companies, totalling 262 000 tonnes until October.
	Sep-20	Wheat	Production support	As part of a support programme to farmers affected by the COVID-19 pandemic, 450 bags of improved wheat seeds will be distributed in Katsina State, as well as fertilizer, agrochemicals and spraying machines free of charge to 150 000 small-scale farmers.
	May-20	Grains	Government market intervention	Approved subsidies and interest reductions on loans to several agricultural commodities, including cereals.
	Jun-20	Wheat	Import duty	Lifted the 60 percent regulatory duty on imports of wheat, in place since September 2016, and allowed the import of wheat through the private sector without any restrictions.
	Jun-20	Wheat	Export ban	Banned the export of wheat until further review.
Pakistan	Jul-20	Wheat	Stocks release	Approved the release of 900 000 tonnes of wheat to flour millers at PKR 1 475 per maund – approximately 40 kg – (USD 229 per tonne) and fixed the retail price of wheat flour at PKR 860 per 20 kg bag, (USD 267 per tonne) some 20 percent below the prevailing price in the market.
	Aug-20	Wheat	Import quota	Approved the importation of 200 000 tonnes of wheat by the public sector.
	Oct-20	Wheat	Import quota	Approved the importation of 640 000 tonnes of wheat at a cost of up to USD 248 per tonne. Specifically, the import of 340 000 tonnes was arranged through competitive bidding, while the remaining 300 000 tonnes were bought under a government-to-government deal with the Russian Federation at USD 282.5 per tonne.
	Oct-20	Wheat	Procurement price	Set the minimum support price for wheat at PKR 1 600 per 40 kg (USD 248.3 per tonne).
	Oct-20	Wheat	Import quota	Approved the importation of 320 000 tonnes of wheat from the Russian Federation.

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
Philippines	Sep-20	Grains	Government market intervention	Approved a stimulus package, Bayanihan to Recover as One Act (Republic Act No. 11494), which aims to ease the economic hardship caused to businesses as a result of the COVID-19 pandemic. Direct cash subsidies, zero-interest loans, and other forms of assistance will be provided to qualified farmers under the farmers' registry and farmers' cooperatives and associations, and an initial capital injection of PHP 39.4 billion (USD 891.1 million) has been provided. In addition, the Act allows a one-time 60-day grace period for paying loans, including credit card payments.
	Sep-20	Grains	Production support	Established a loan interest subsidy of PHP 24 billion (USD 402.7 million) to agriculture-fishery enterprises in order to ensure food security and continuous productivity in these sectors, including the grain sector, so as to curtail the economic repercussions of COVID-19.
	Sep-20	Wheat	Import duty	Extended for three years the anti-dumping duty imposed on Turkish wheat flour imports, which was in place from January 2015 to January 2020. The anti-dumping duty ranges from 2.87 to 29.57 percent.
Poland	Jun-20	Grains	Government market intervention	Established a financial aid scheme in the form of an interest rate subsidy for farmers in order to counter the liquidity shortage faced following the outbreak of COVID-19. The scheme has a total budget of PLN 40 million (USD 10.1 million) and will be in force until 31 December 2020.
Russian Federation	Aug-20	Wheat	Government market intervention	Approved a measure subsidizing transport carriers transiting through the country. Subsidies will vary from RUB 25 000 to RUB 77 000 (USD 314.2–USD 967.9), depending on the type and destination of the transit cargo. The measure aims to increase the demand for freight transportation and improve the transit links between Europe and Asia.
Rwanda	Sep-20	Maize	Import subsidy	Reduced the subsidy rate for imported maize seeds in order to support domestic use of locally produced seeds. Locally produced seeds are subsidized by 79 percent, while the subsidy for imported seeds was reduced to 40 per cent.
Saudi Arabia	May-20	Maize	Government market intervention	Approved loans worth SAR 333 million (USD 88.6 million) to finance 12 new projects focused on supporting the agricultural activities of the private sector affected by the COVID-19 pandemic. The loans are operational loans and will finance imports of agricultural and food products, including maize.
	Jul-20	Grains	Value added tax	Effective 1 July 2020, increased value added tax from 5 percent to 15 percent to counter the economic implications of COVID-19.
	Jul-20	Wheat	Government market intervention	Privatized two of its four flour milling companies for USD 740.5 million, opening the way for wheat to be directly purchased from the global market.
	Jul-20	Wheat	Import policy	Liberalized wheat imports for flour mills. This measure is part of the liberalization of the country's grains sector and, from now on, private companies can also import wheat directly from global markets.
Spain	Aug-20	Barley, maize and wheat	Government market intervention	Announced a SAR 412 million (USD 110 million) partnership between the National Shipping Company of Saudi Arabia and the Saudi Agricultural and Livestock Investment Company for the construction of a grain handling port on the Red Sea. The aim is to allow rapid handling of grains, support trade among the Black Sea, Europe, South America and Red Sea regions, and to provide an annual handling capacity at the port of around 3 million tonnes by the end of 2022.
	Jun-20	Grains	Government market intervention	Signed a loan with the European Investment Bank of EUR 100 million (USD 113 million) for agricultural SMEs and mid-caps, in order to improve competitiveness and access to finance following the outbreak of COVID-19.
Sri Lanka	May-20	Maize	Import duty	Increased the Special Commodity Levy on imports of several goods, including maize. The levy on maize was increased from LKR 10 to LKR per kg (USD 161 to 188 per tonne) and will be effective for 6 months.

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
South Africa	Aug-20	Grains	Government market intervention	Extended the validity period of the COVID-19 Disaster Agricultural Support Fund Voucher to 30 September 2020, as supply chain disruptions continued affecting the availability of agricultural production inputs.
	Sep-20	Wheat	Import duty	Increased the import duties on wheat and wheat flour from 51.66 cents per kg (USD 31 per tonne) to 83.21 cents per kg (USD 50 per tonne), and from 77.49 cents per kg (USD 47 per tonne) to 124.81 cents per kg (USD 75 per tonne), respectively.
Sudan	Jun-20	Wheat	Government market intervention	Announced the creation of a USD 2 billion fund to support the trading of key commodities amid foreign exchange shortages. Funding will target key commodities, including wheat.
	Oct-20	Wheat	Government intervention	As part of humanitarian aid, took delivery of 68 800 tonnes of wheat, shipped from the United Arab Emirates.
Syrian Arab Republic	May-20	Wheat	Procurement price	Raised the 2020 purchasing price of wheat from SYP 225 to SYP 400 per kg (from USD 450 to USD 800 per tonne) to support farmers' incomes and increase stocks of domestically procured wheat.
	Jun-20	Grains	Production support	Introduced measures worth THB 300 billion (USD 9.6 billion) to help 300 000 farmers affected by the COVID-19 pandemic.
Thailand	Jul-20	Grains	Import policy	Announced the new list of Controlled Commodities and Services to include Distiller's Dried Grains with Soluble. This will allow the Government to restrict imports of feed grains if imports are adversely affecting domestic maize prices.
	Sep-20	Maize	Procurement price	Announced the 2020 maize purchase price, which was increased from TRY 1 150 (USD 164.9) per tonne to TRY 1 324 (USD 189.9) per tonne.
Turkey	Oct-20	Barley, maize and wheat	Import duty	Suspended import duties on wheat, maize and barley until the end of 2021. The import duty on wheat was 45 percent, maize 25 percent, and barley 35 percent.
	May-20	Wheat	Export quota	Announced that wheat exports will continue, even though the 20.2 million tonnes maximum volume for the 2019/20 marketing year (July/June), agreed with traders on 30 March 2020, has been reached.
Ukraine	Jul-20	Grains	Stocks policy	Received a working capital loan worth EUR 7 million (USD 8.3 million) from the European Bank for Reconstruction and Development. The loan will be invested in the country's farming and grain storage operations, which have been affected by the COVID-19 pandemic.
	Aug-20	Wheat and rye	Export quota	Set the wheat and rye export caps at 17.5 million tonnes and 1 million tonnes, respectively, for the 2020/21 (July/June) marketing year.
United States of America	May-20	Grains	Government market intervention	Published the Coronavirus Food Assistance Programme (CFAP), which allocates USD 16 billion in direct payments. Through this programme, several non-specialty crops, including barley, canola, maize, millet, oats, sorghum and wheat, are eligible for payments. Based on 50 percent of 2019 total production or the inventory held on 15 January 2020, whichever is the lowest, producers will receive a specific commodity's applicable payment rate per unit.
	Aug-20	Grains	Government market intervention	Announced the extension of the CFAP application deadline to 11 September 2020.
	Aug-20	Maize	Stocks policy	Approved a Federal Disaster Declaration following the impact of a derecho storm, which damaged a large part of Iowa's maize crops, as well as infrastructure and storage facilities.
Viet Nam	Sep-20	Maize and wheat	Government market intervention	Announced additional financial assistance of up to USD 14 billion as part of the extended Coronavirus Food Assistance Programme (CFAP2) launched in May 2020. The package is for agricultural producers who continue to face market disruptions and associated costs due to the COVID-19 outbreak. Eligible crops include wheat and maize.
	May-20	Wheat	Trade policy	Issued Decree 57/2020/ND-CP to revise the Most-Favoured-Nation tariff rates on a number of agricultural products, including wheat. The decree entered into force on 10 July 2020.
	Jun-20	Maize	Trade agreement	Ratified the EU-Viet Nam Free Trade Agreement, which states that maize imports from the EU will be duty-free within an annual quantity of 5 000 tonnes.

COUNTRY	DATE	COMMODITY	POLICY INSTRUMENT	DESCRIPTION
Zambia	Sep-20	Maize	Export ban	Temporarily banned maize exports, as well as maize meal exports, until the country secures 1 million tonnes of grains in its Food Reserve Agency for national needs.
Zimbabwe	May-20	Maize and wheat	Import tariff	Temporarily removed import tariffs on wheat flour and maize meal to support domestic supplies, amid an expected second consecutive below-average harvest in 2020 due to widespread rainfall deficits.

* A collection of major grain policy developments starting in July 2010 is available at:
<http://www.fao.org/economic/est/est-commodities/commodity-policy-archive/en/?group=ANDcommodity=grains>

APPENDIX TABLE 1(A): CEREAL STATISTICS

	Production			Imports			Exports		
	2016-2018 average	2019 <i>estim.</i>	2020 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>								
ASIA	1 182.7	1 196.4	1 215.3	209.0	221.0	224.3	62.5	55.8	61.2
Bangladesh	39.5	41.5	41.9	8.5	8.2	8.3	-	0.1	0.1
China	548.7	548.3	549.9	30.0	29.1	35.4	2.5	3.4	3.5
India	254.7	266.0	275.9	2.7	0.7	0.6	12.8	13.2	15.0
Indonesia	58.3	57.5	57.8	12.6	12.2	12.2	0.2	0.1	0.1
Iran (Islamic Republic of)	20.8	20.6	20.4	12.6	15.2	16.7	0.3	0.1	0.1
Iraq	3.5	6.6	7.2	4.6	4.0	3.3	-	-	-
Japan	8.6	8.6	8.7	24.0	24.3	24.2	0.3	0.3	0.3
Kazakhstan	19.7	16.9	18.8	0.4	1.0	0.1	9.6	7.8	8.6
Myanmar	18.4	18.2	18.2	0.5	0.6	0.6	4.1	4.6	3.8
Pakistan	39.6	39.8	40.5	0.2	0.2	1.7	4.9	4.2	4.7
Philippines	20.0	20.4	20.6	8.9	9.5	9.8	0.1	-	-
Republic of Korea	4.2	4.0	3.9	14.5	16.1	16.3	0.1	0.1	0.1
Saudi Arabia	0.5	0.5	0.8	15.8	15.6	16.2	-	-	-
Thailand	26.4	23.1	24.6	4.0	6.2	5.5	10.5	6.1	7.3
Turkey	34.9	33.9	36.2	9.5	17.0	11.5	5.7	4.9	6.1
Viet Nam	33.2	33.0	32.8	14.5	15.2	15.5	7.1	7.1	7.4
AFRICA	187.9	190.8	193.9	92.2	96.8	101.1	6.7	5.9	7.0
Algeria	4.3	6.1	5.6	13.0	13.1	12.6	-	-	-
Egypt	22.0	22.1	22.1	21.7	24.0	24.2	0.2	-	-
Ethiopia	26.6	29.6	29.5	1.8	1.9	2.0	1.1	1.3	1.3
Morocco	7.9	5.4	3.3	7.1	9.1	11.7	0.1	0.1	-
Nigeria	24.2	26.5	25.0	8.0	7.0	7.4	0.7	0.7	0.7
South Africa	15.3	13.9	18.6	3.3	3.6	2.8	1.8	1.5	2.6
Sudan	7.6	5.9	6.8	2.8	2.9	2.9	0.3	0.2	0.2
CENTRAL AMERICA & THE CARIBBEAN	44.0	42.4	43.6	34.4	37.4	38.1	2.4	2.4	1.7
Mexico	37.2	36.1	37.0	21.9	23.7	24.6	2.2	2.2	1.5
SOUTH AMERICA	195.7	228.3	232.4	32.7	35.1	34.3	71.7	100.5	96.3
Argentina	71.1	83.8	84.1	0.1	0.1	0.1	41.8	55.7	51.4
Brazil	97.0	116.1	120.9	10.3	9.9	9.9	24.9	38.8	39.0
Chile	3.5	3.1	3.0	3.3	3.9	4.0	0.1	-	0.1
Colombia	3.3	3.4	3.5	7.4	8.9	8.3	-	-	-
Peru	4.2	4.2	4.2	5.9	6.6	6.2	0.1	0.1	0.1
Venezuela (Bolivarian Republic of)	1.5	1.2	0.9	3.3	3.4	3.4	-	-	-
NORTHERN AMERICA	507.2	479.3	509.2	10.0	10.0	9.5	121.8	104.6	125.6
Canada	58.0	61.1	63.7	2.3	2.8	2.2	27.8	28.2	30.2
United States of America	449.2	418.2	445.5	7.7	7.2	7.3	94.0	76.5	95.3
EUROPE	510.3	541.9	511.6	31.5	31.6	42.1	125.5	155.5	135.6
European Union	301.6	324.1	275.5	26.9	26.6	32.1	32.3	51.3	35.8
Russian Federation	119.3	117.5	125.3	0.8	0.6	0.6	44.2	43.1	47.9
Ukraine	65.2	74.7	68.5	0.2	0.2	0.2	44.8	56.7	47.2
OCEANIA	39.0	27.9	43.6	1.9	2.2	2.1	23.5	13.5	24.1
Australia	37.9	26.8	42.6	0.3	0.5	0.3	23.5	13.5	24.1
WORLD	2 666.8	2 707.0	2 749.7	411.7	434.2	451.5	414.1	438.3	451.5
LIFDC	465.1	486.5	497.4	74.1	72.2	74.4	24.3	24.5	26.6
LDC	180.6	184.8	188.4	40.5	40.0	41.6	10.3	9.9	9.4

APPENDIX TABLE 1(B): CEREAL STATISTICS

	Total Utilization			Stocks ending in			Per caput food use		
	16/17-18/19 average	2019/20 estim.	2020/21 f'cast	2017-2019 average	2020 estim.	2021 f'cast	16/17-18/19 average	2019/20 estim.	2020/21 f'cast
	million tonnes						Kg/year		
ASIA	1 316.9	1 339.2	1 376.8	566.8	594.0	596.6	156.9	157.5	158.7
Bangladesh	47.5	50.0	50.7	8.8	8.3	8.0	216.7	220.3	221.1
China	562.2	561.9	582.5	418.6	436.1	434.6	153.6	153.4	153.8
India	241.7	248.2	259.0	42.5	56.3	59.8	146.7	147.5	150.6
Indonesia	70.7	72.6	71.6	10.3	9.0	7.7	182.3	181.3	180.6
Iran (Islamic Republic of)	33.4	34.9	35.4	10.4	9.7	11.5	204.3	205.2	205.4
Iraq	8.4	9.9	10.1	0.5	1.0	1.4	191.6	193.6	193.4
Japan	32.4	32.7	32.4	6.6	6.8	6.8	93.5	93.0	94.2
Kazakhstan	10.4	9.9	10.3	4.1	3.9	4.0	157.9	157.2	157.3
Myanmar	15.1	14.6	15.0	3.5	3.2	3.0	198.5	197.7	198.1
Pakistan	35.7	36.6	37.8	4.7	2.4	2.3	140.2	140.2	140.1
Philippines	28.4	30.3	30.3	4.2	4.0	4.1	158.1	164.7	165.1
Republic of Korea	19.1	19.1	19.3	3.7	2.6	3.0	127.0	124.9	123.3
Saudi Arabia	17.0	16.2	16.9	6.3	5.1	5.1	140.4	136.7	137.2
Thailand	21.2	22.0	23.1	8.5	8.6	8.8	117.9	118.8	119.9
Turkey	39.0	42.3	41.9	6.6	9.9	9.5	237.8	240.5	241.6
Viet Nam	40.7	41.5	41.0	6.0	5.0	5.1	178.9	176.3	178.1
AFRICA	270.3	284.1	286.6	59.5	57.8	58.1	152.2	153.4	151.6
Algeria	17.0	18.9	19.0	5.8	6.9	6.0	227.1	226.2	226.3
Egypt	44.3	45.6	46.0	6.6	6.0	6.3	276.7	275.1	275.2
Ethiopia	26.6	29.3	30.0	5.6	7.2	7.3	188.2	197.9	198.8
Morocco	15.3	15.8	15.9	6.6	5.8	4.8	238.3	239.4	239.7
Nigeria	30.7	32.9	31.7	3.1	3.1	3.1	127.9	129.6	125.2
South Africa	16.8	16.9	17.3	3.5	2.6	3.9	163.5	162.6	160.9
Sudan	9.1	9.1	9.4	3.4	2.6	2.3	179.7	183.1	181.0
CENTRAL AMERICA & THE CARIBBEAN	75.6	79.1	80.2	10.1	9.7	9.4	161.6	162.8	163.4
Mexico	56.4	59.1	59.9	7.2	7.3	7.3	193.1	194.2	194.5
SOUTH AMERICA	156.3	163.6	173.7	37.9	39.3	35.7	117.1	115.4	116.0
Argentina	30.0	30.6	34.4	10.9	12.8	9.6	136.0	136.0	136.0
Brazil	81.8	85.5	91.8	16.5	16.5	17.2	114.0	110.5	111.3
Chile	6.8	7.0	6.9	1.8	1.4	1.3	142.8	142.3	141.5
Colombia	10.7	11.7	12.1	1.2	1.0	1.0	87.7	89.6	92.4
Peru	9.9	10.7	10.7	1.0	0.9	0.7	154.6	157.1	155.6
Venezuela (Bolivarian Republic of)	4.9	4.6	4.4	0.8	0.7	0.6	114.2	110.3	110.7
NORTHERN AMERICA	392.9	388.7	391.0	102.9	91.8	93.9	110.0	110.2	110.3
Canada	32.8	34.4	34.8	10.9	9.2	10.2	95.9	96.2	96.2
United States of America	360.0	354.2	356.1	92.0	82.6	83.7	111.6	111.8	111.9
EUROPE	415.5	420.1	418.5	76.4	71.8	70.5	132.9	132.0	134.2
European Union	296.0	299.4	272.9	41.6	44.8	38.5	133.4	132.0	137.4
Russian Federation	74.9	76.8	77.5	19.1	12.4	12.9	126.3	126.4	126.5
Ukraine	21.5	20.7	20.4	7.9	4.8	5.9	144.3	145.0	145.0
OCEANIA	17.8	17.9	18.2	9.1	7.6	11.7	95.6	96.4	96.4
Australia	15.1	15.1	15.4	8.5	7.1	11.2	103.8	104.2	104.1
WORLD	2 645.3	2 692.6	2 745.0	862.8	872.1	876.0	149.1	149.6	150.3
LIFDC	509.1	528.1	543.1	98.0	110.5	113.5	151.1	152.4	153.5
LDC	208.5	216.2	220.5	44.8	43.1	42.5	157.2	158.0	156.9

APPENDIX TABLE 2(A): WHEAT STATISTICS

	Production			Imports			Exports		
	2016-2018 average	2019 estim.	2020 f'cast	16/17-18/19 average	2019/20 estim.	2020/21 f'cast	16/17-18/19 average	2019/20 estim.	2020/21 f'cast
	<i>million tonnes</i>								
ASIA	330.0	336.6	344.2	88.2	93.1	91.6	17.2	14.0	16.1
Bangladesh	1.2	1.0	1.2	5.7	6.4	6.4	-	-	-
China	133.0	133.6	134.0	5.6	7.1	8.9	0.4	0.4	0.3
China (mainland)	133.0	133.6	134.0	3.7	5.2	7.0	0.3	0.4	0.2
Taiwan Province of China	-	-	-	1.4	1.4	1.4	-	-	-
India	96.9	103.6	107.6	3.7	-	-	0.5	0.6	1.0
Indonesia	-	-	-	10.8	10.8	10.8	0.1	0.1	0.1
Iran (Islamic Republic of)	14.4	14.5	14.0	0.6	1.0	2.5	0.3	-	-
Iraq	2.8	4.3	5.0	3.2	2.7	2.0	-	-	-
Japan	0.8	1.0	1.0	5.6	5.6	5.6	0.2	0.2	0.2
Kazakhstan	14.6	11.5	13.0	0.3	1.0	0.1	8.2	6.3	7.0
Pakistan	25.8	25.2	25.4	-	-	1.5	0.8	0.1	0.1
Philippines	-	-	-	6.2	6.2	6.2	0.1	-	-
Republic of Korea	-	-	-	4.1	3.8	3.8	-	-	-
Saudi Arabia	0.6	0.2	0.5	3.3	3.4	3.2	-	-	-
Thailand	-	-	-	3.3	3.5	3.1	-	-	-
Turkey	20.7	19.0	20.5	5.8	11.5	7.5	4.8	4.4	5.5
AFRICA	26.6	27.0	25.4	49.4	51.0	52.1	0.8	0.9	0.8
Algeria	2.9	4.0	3.8	8.1	7.1	6.5	-	-	-
Egypt	8.8	9.0	9.0	12.0	13.0	13.5	-	-	-
Ethiopia	4.6	5.3	5.3	1.3	1.3	1.3	-	-	-
Morocco	5.7	4.1	2.6	4.4	4.9	6.5	0.1	0.1	-
Nigeria	0.1	0.1	0.1	5.1	4.8	4.8	0.4	0.4	0.4
South Africa	1.8	1.5	2.0	1.5	2.0	1.6	0.1	0.1	0.1
Tunisia	1.0	1.5	1.0	2.0	2.0	2.2	0.1	-	-
CENTRAL AMERICA & THE CARIBBEAN	3.4	3.2	3.0	9.1	9.5	9.6	1.0	1.2	0.6
Cuba	-	-	-	0.8	0.7	0.6	-	-	-
Mexico	3.4	3.2	3.0	5.1	5.3	5.4	0.8	1.1	0.5
SOUTH AMERICA	27.8	28.6	28.4	15.4	15.9	15.4	14.0	14.5	15.3
Argentina	18.8	19.8	18.0	-	-	-	12.7	13.6	14.0
Brazil	5.5	5.2	6.8	7.2	7.1	7.0	0.5	0.4	0.4
Chile	1.4	1.2	1.2	1.3	1.1	1.2	-	-	-
Colombia	-	-	-	1.9	2.1	1.9	-	-	-
Peru	0.2	0.2	0.2	2.0	2.1	2.0	-	-	-
Venezuela (Bolivarian Republic of)	-	-	-	1.3	1.4	1.4	-	-	-
NORTHERN AMERICA	85.4	84.9	83.8	3.8	3.0	3.5	48.1	49.7	51.5
Canada	31.6	32.3	34.1	0.1	0.1	0.1	21.9	23.4	25.0
United States of America	53.8	52.6	49.7	3.7	2.9	3.4	26.2	26.3	26.5
EUROPE	255.4	266.0	248.5	7.8	6.6	11.4	77.5	93.5	81.0
European Union	144.9	155.7	123.7	5.3	4.3	6.3	23.8	37.3	25.5
Russian Federation	77.1	74.5	82.0	0.4	0.3	0.3	34.7	34.1	38.0
Ukraine	25.6	28.3	25.5	-	-	-	17.3	21.0	16.5
United Kingdom of Great Britain and Northern Ireland	-	-	10.1	-	-	2.5	-	-	0.1
OCEANIA	23.9	15.6	29.3	0.9	1.1	1.0	15.8	10.1	19.1
Australia	23.4	15.2	28.9	0.2	0.2	0.1	15.8	10.1	19.1
WORLD	752.5	761.9	762.7	174.7	180.2	184.5	174.3	184.0	184.5
LIFDC	119.3	129.1	133.1	40.1	37.4	36.9	1.4	1.5	1.9
LDC	13.2	15.0	14.8	23.4	23.8	24.0	0.1	0.1	0.1

APPENDIX TABLE 2(B): WHEAT STATISTICS

	Total Utilization			Stocks ending in			Per caput food use		
	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2017-2019 average	2020 <i>estim.</i>	2021 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>						<i>(..... Kg/year.....)</i>		
ASIA	390.7	399.4	409.6	169.9	190.4	200.7	65.9	66.5	66.8
Bangladesh	6.8	7.6	7.8	2.1	1.5	1.4	32.6	35.4	35.6
China	125.9	127.3	131.8	108.1	128.2	139.1	64.6	64.5	64.9
China (mainland)	124.0	125.5	129.9	107.6	127.7	138.6	64.9	64.9	65.2
Taiwan Province of China	1.4	1.4	1.4	0.4	0.4	0.4	45.6	45.6	45.6
India	99.0	101.8	105.7	17.0	20.8	22.0	59.9	60.4	60.7
Indonesia	10.6	11.1	11.1	1.2	1.1	1.0	25.8	26.2	26.4
Iran (Islamic Republic of)	15.3	15.6	15.8	7.5	6.0	6.6	168.2	168.8	169.1
Iraq	6.2	6.5	6.6	0.4	0.7	1.0	152.0	153.1	152.9
Japan	6.3	6.2	6.4	1.5	1.3	1.2	40.5	39.9	41.5
Kazakhstan	6.7	6.2	6.2	3.7	3.4	3.3	143.3	142.6	142.6
Pakistan	25.7	26.1	26.8	3.1	1.0	0.8	118.1	118.0	117.9
Philippines	6.0	6.3	6.2	1.0	0.9	0.9	23.6	24.3	24.2
Republic of Korea	3.9	3.8	3.8	1.0	1.1	1.1	47.7	47.7	47.7
Saudi Arabia	3.6	3.6	3.7	3.1	3.0	3.0	98.3	98.0	97.9
Thailand	3.2	3.4	3.3	1.7	1.8	1.6	16.5	16.3	16.7
Turkey	21.8	23.7	23.2	4.5	6.7	6.0	209.0	212.2	213.4
AFRICA	75.1	77.6	77.7	20.7	18.2	16.8	50.9	50.6	50.2
Algeria	10.8	11.0	11.0	4.1	4.6	3.9	208.9	208.6	208.9
Egypt	21.4	22.0	22.3	4.1	3.6	3.7	188.4	189.0	189.0
Ethiopia	6.1	6.6	6.6	0.9	0.8	0.8	46.1	48.8	47.8
Morocco	10.2	10.4	9.8	5.4	4.1	3.3	206.8	207.0	207.1
Nigeria	4.1	4.3	4.3	0.2	0.2	0.2	20.1	20.2	19.7
South Africa	3.2	3.4	3.4	0.5	0.4	0.6	56.2	56.2	56.0
Tunisia	3.0	3.3	3.2	0.5	0.6	0.6	211.2	211.2	211.1
CENTRAL AMERICA & THE CARIBBEAN	11.4	11.9	12.0	2.0	1.7	1.7	45.1	45.7	45.7
Cuba	0.8	0.7	0.7	0.1	-	-	56.5	56.9	56.2
Mexico	7.5	7.8	7.8	1.1	1.0	1.2	50.5	51.0	50.8
SOUTH AMERICA	28.7	29.6	29.9	6.6	7.5	6.7	60.3	61.0	61.1
Argentina	5.9	6.6	6.2	1.9	3.0	1.4	118.5	118.7	118.6
Brazil	11.8	12.0	12.5	2.3	1.8	2.4	53.8	54.0	54.3
Chile	2.8	2.4	2.4	1.0	0.7	0.7	106.7	105.8	105.1
Colombia	2.0	1.9	2.0	0.3	0.1	0.2	34.3	34.8	36.4
Peru	2.2	2.3	2.3	0.3	0.2	0.2	65.3	66.6	64.8
Venezuela (Bolivarian Republic of)	1.3	1.4	1.4	0.1	0.1	0.1	43.9	48.4	48.6
NORTHERN AMERICA	39.7	39.4	39.4	36.9	33.0	29.9	82.5	82.3	82.3
Canada	9.3	8.9	8.9	6.4	5.0	5.9	81.0	80.9	80.8
United States of America	30.4	30.6	30.5	30.5	28.0	24.0	82.6	82.5	82.5
EUROPE	186.9	183.0	180.3	33.1	22.9	20.5	107.3	106.1	107.2
European Union	127.1	122.7	105.7	15.7	13.6	9.0	109.0	107.2	110.7
Russian Federation	42.5	43.2	43.7	13.0	6.5	7.1	100.0	100.0	100.0
Ukraine	9.0	8.7	8.5	2.3	0.7	1.2	112.6	112.7	112.7
United Kingdom of Great Britain and Northern Ireland	-	-	14.0	-	-	1.0	-	-	95.9
OCEANIA	9.7	9.5	9.2	5.3	2.1	4.7	69.2	69.2	69.1
Australia	8.4	8.2	7.9	5.0	1.7	4.3	83.4	83.7	83.5
WORLD	742.1	750.5	758.0	274.4	275.8	281.0	67.4	67.5	67.7
LIFDC	158.5	162.8	168.0	32.4	33.1	33.1	49.5	49.8	49.8
LDC	36.7	38.5	39.0	10.2	8.0	7.3	31.5	32.0	31.8

APPENDIX TABLE 3(A): COARSE GRAIN STATISTICS

	Production			Imports			Exports		
	2016-2018 average	2019 <i>estim.</i>	2020 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>								
ASIA	402.7	408.7	414.6	99.4	109.1	113.2	6.2	5.6	5.6
China	269.2	269.9	270.4	19.2	18.9	23.4	0.1	0.1	0.1
China (mainland)	269.0	269.7	270.2	14.7	14.1	18.2	0.1	0.1	0.1
Taiwan Province of China	0.2	0.2	0.2	4.4	4.8	5.1	-	-	-
India	44.8	44.0	46.8	0.3	0.7	0.6	0.9	0.5	0.6
Indonesia	20.9	22.6	22.5	0.8	0.9	0.9	0.2	-	-
Iran (Islamic Republic of)	4.5	4.1	4.3	10.8	13.0	13.0	-	-	-
Japan	0.2	0.2	0.2	17.8	18.0	17.8	-	-	-
Malaysia	0.1	0.1	0.1	3.8	4.0	4.1	-	-	-
Pakistan	6.6	7.2	7.4	0.2	0.2	0.2	-	-	-
Philippines	7.6	8.0	8.1	0.7	0.4	0.5	-	-	-
Republic of Korea	0.2	0.2	0.2	10.0	11.8	12.1	-	-	-
Saudi Arabia	0.3	0.3	0.3	11.2	10.8	11.6	-	-	-
Thailand	5.0	4.4	5.2	0.3	2.3	2.1	0.4	0.1	0.1
Turkey	13.6	14.3	15.1	3.5	5.3	3.7	0.8	0.5	0.6
Viet Nam	5.1	4.8	4.6	9.3	11.5	11.4	0.2	0.3	0.3
AFRICA	138.7	139.7	144.4	26.1	30.2	31.2	5.3	4.7	5.8
Algeria	1.4	2.1	1.8	4.8	5.9	5.9	-	-	-
Egypt	8.9	8.5	8.6	9.3	10.7	10.6	-	-	-
Ethiopia	21.8	24.2	24.1	-	-	-	1.1	1.3	1.3
Morocco	2.1	1.2	0.7	2.7	4.2	5.1	-	-	-
Nigeria	19.3	21.4	20.1	0.5	0.4	0.4	0.2	0.2	0.2
South Africa	13.5	12.3	16.6	0.9	0.7	0.2	1.7	1.4	2.5
Sudan	7.0	5.2	6.1	0.2	0.3	0.3	0.3	0.2	0.2
United Republic of Tanzania	7.4	6.8	7.4	-	-	-	0.4	0.3	0.3
CENTRAL AMERICA & THE CARIBBEAN	38.6	37.3	38.7	22.8	25.3	25.9	1.4	1.1	1.0
Mexico	33.6	32.6	33.8	16.1	17.6	18.5	1.3	1.1	1.0
SOUTH AMERICA	151.3	184.2	187.5	15.5	17.3	17.0	54.3	82.0	77.6
Argentina	51.4	63.3	65.3	0.1	0.1	0.1	28.7	41.8	37.0
Brazil	83.5	103.8	106.5	2.4	2.0	2.2	23.6	37.3	37.8
Chile	2.0	1.8	1.6	1.9	2.6	2.6	0.1	-	-
Colombia	1.5	1.6	1.5	5.4	6.6	6.2	-	-	-
Peru	1.8	1.8	1.7	3.6	4.1	3.9	-	-	-
Venezuela (Bolivarian Republic of)	1.3	1.1	0.8	1.5	1.5	1.5	-	-	-
NORTHERN AMERICA	415.2	388.5	418.2	4.8	5.4	4.5	70.6	51.9	70.9
Canada	26.5	28.7	29.6	1.8	2.3	1.8	5.9	4.8	5.2
United States of America	388.7	359.8	388.6	3.0	3.2	2.7	64.7	47.1	65.7
EUROPE	252.3	273.3	260.6	21.1	21.9	27.6	47.5	61.4	54.0
European Union	155.0	166.6	150.1	19.6	20.4	23.9	8.2	13.5	9.8
Russian Federation	41.4	42.3	42.6	0.2	0.1	0.1	9.4	8.9	9.7
Serbia	6.7	7.9	6.8	0.1	0.1	0.1	2.0	2.7	2.1
Ukraine	39.5	46.4	42.9	0.1	0.1	0.1	27.5	35.7	30.7
United Kingdom of Great Britain and Northern Ireland	-	-	9.6	-	-	2.3	-	-	1.4
OCEANIA	14.7	12.2	14.3	0.3	0.3	0.3	7.6	3.3	4.9
Australia	14.1	11.6	13.6	-	-	-	7.6	3.3	4.9
WORLD	1 413.5	1 444.0	1 478.3	190.0	209.6	219.8	192.8	210.0	219.8
LIFDC	149.8	152.9	156.9	17.7	20.3	20.7	4.2	3.7	3.8
LDC	92.3	92.8	96.1	4.8	5.1	5.2	5.3	5.3	5.1

APPENDIX TABLE 3(B): COARSE GRAIN STATISTICS

	Total Utilization			Stocks ending in			Per caput food use		
	16/17-18/19 average	2019/20 estim.	2020/21 f'cast	2017-2019 average	2020 estim.	2021 f'cast	16/17-18/19 average	2019/20 estim.	2020/21 f'cast
	million tonnes						Kg/year		
ASIA	497.5	506.6	528.0	230.4	230.5	223.5	14.7	14.3	14.6
China	289.1	287.0	302.1	206.6	204.2	194.9	13.0	13.0	12.9
China (mainland)	284.5	281.7	296.7	206.2	203.7	194.3	13.1	13.2	13.1
Taiwan Province of China	4.5	5.3	5.3	0.4	0.5	0.5	7.0	6.9	6.9
India	44.5	43.7	46.9	2.2	2.8	2.6	18.6	17.3	18.6
Indonesia	21.5	24.0	23.6	1.9	1.9	1.9	29.1	29.5	29.3
Iran (Islamic Republic of)	14.9	16.0	16.2	2.2	3.1	4.1	1.3	1.2	1.2
Japan	17.8	18.5	18.0	2.0	2.3	2.3	3.3	3.3	3.3
Malaysia	3.8	4.1	4.2	0.2	0.2	0.2	1.9	2.0	2.0
Pakistan	7.0	7.3	7.6	1.1	0.8	0.8	9.8	10.0	9.8
Philippines	8.2	8.5	8.6	0.9	1.0	1.0	18.6	18.9	18.8
Republic of Korea	10.4	11.2	11.6	1.1	0.6	1.0	4.3	4.4	4.4
Saudi Arabia	12.1	11.3	11.9	2.9	2.0	1.9	2.9	2.8	2.8
Thailand	5.0	6.6	7.2	0.7	0.8	0.8	2.7	2.7	2.7
Turkey	16.5	17.8	17.9	2.0	3.1	3.4	19.6	19.3	19.1
Viet Nam	14.3	16.2	15.9	1.3	0.8	0.7	7.9	8.3	8.4
AFRICA	156.4	166.6	167.9	32.5	35.1	36.8	74.3	76.2	74.4
Algeria	6.1	7.8	7.9	1.8	2.3	2.1	15.5	14.9	14.6
Egypt	18.3	18.9	18.9	1.6	1.7	2.0	45.4	44.8	44.4
Ethiopia	19.9	22.0	22.6	4.6	6.3	6.4	137.3	143.1	144.4
Morocco	5.0	5.4	6.0	1.2	1.6	1.5	30.1	30.2	30.0
Nigeria	19.3	21.5	20.3	1.9	2.5	2.5	74.2	78.7	74.8
South Africa	12.6	12.5	13.0	2.8	2.0	3.3	91.6	91.3	90.3
Sudan	6.2	6.1	6.3	1.7	1.5	1.5	111.2	114.5	112.6
United Republic of Tanzania	7.0	7.1	7.2	1.5	0.9	0.8	90.7	90.2	90.6
CENTRAL AMERICA & THE CARIBBEAN	60.0	62.8	63.8	7.6	7.4	7.1	98.1	98.6	98.7
Mexico	48.1	50.5	51.1	6.0	6.2	6.0	136.0	136.4	136.5
SOUTH AMERICA	112.5	119.6	129.1	29.1	29.8	27.2	24.7	24.1	24.0
Argentina	23.5	23.5	27.7	8.8	9.6	8.1	7.3	7.3	7.3
Brazil	62.2	66.4	72.1	13.7	14.4	14.4	25.8	25.8	25.8
Chile	3.8	4.3	4.3	0.7	0.6	0.6	24.7	24.4	24.2
Colombia	6.9	7.9	8.0	0.5	0.4	0.3	18.9	18.8	18.7
Peru	5.3	5.9	6.0	0.3	0.4	0.2	21.9	22.5	22.6
Venezuela (Bolivarian Republic of)	3.0	2.6	2.4	0.6	0.5	0.4	51.5	42.6	42.7
NORTHERN AMERICA	348.4	344.3	346.6	64.7	57.7	62.3	18.0	18.0	18.0
Canada	23.1	25.2	25.6	4.5	4.0	4.2	4.6	4.6	4.5
United States of America	325.3	319.1	321.0	60.2	53.7	58.1	19.5	19.5	19.5
EUROPE	224.1	232.2	233.3	42.7	48.0	49.2	20.3	20.3	21.3
European Union	165.5	172.9	164.0	25.4	30.5	28.9	18.8	18.8	20.7
Russian Federation	31.6	32.8	33.0	6.0	5.8	5.7	21.3	21.3	21.3
Serbia	4.8	4.8	4.8	0.6	1.1	1.0	22.2	22.6	20.6
Ukraine	12.3	11.8	11.7	5.6	4.1	4.7	29.0	29.1	29.0
United Kingdom of Great Britain and Northern Ireland	-	-	9.8	-	-	2.6	-	-	18.1
OCEANIA	7.2	7.5	8.1	3.5	5.3	6.8	8.0	7.8	7.7
Australia	6.4	6.5	7.1	3.3	5.2	6.7	9.5	9.3	9.2
WORLD	1 406.1	1 439.6	1 476.7	410.3	413.9	413.0	28.1	28.4	28.6
LIFDC	161.0	168.5	173.2	27.4	30.8	31.2	37.4	37.7	38.0
LDC	89.5	93.4	95.6	19.3	20.4	20.9	60.3	61.1	60.3

APPENDIX TABLE 4(A): MAIZE STATISTICS

	Production			Imports			Exports		
	2016-2018 average	2019 <i>estim.</i>	2020 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>								
ASIA	355.3	360.1	360.8	71.8	83.7	85.2	4.5	4.1	3.7
China	260.1	260.9	261.2	7.8	10.1	12.3	0.1	-	-
China (mainland)	260.0	260.8	261.0	3.4	5.3	7.2	0.1	-	-
Taiwan Province of China	0.2	0.2	0.2	4.3	4.7	5.0	-	-	-
India	27.5	28.6	28.0	0.2	0.4	0.3	0.7	0.4	0.4
Indonesia	20.9	22.6	22.5	0.7	0.8	0.8	0.2	-	-
Iran (Islamic Republic of)	1.2	1.1	1.3	8.5	9.8	9.5	-	-	-
Japan	-	-	-	15.9	16.3	16.0	-	-	-
Malaysia	0.1	0.1	0.1	3.7	4.0	4.1	-	-	-
Pakistan	6.1	6.7	6.9	-	-	-	-	-	-
Philippines	7.6	8.0	8.1	0.6	0.4	0.5	-	-	-
Republic of Korea	0.1	0.1	0.1	9.9	11.7	12.0	-	-	-
Thailand	4.8	4.2	5.0	0.2	1.8	1.2	0.4	0.1	0.1
Turkey	6.0	6.0	6.0	3.0	4.3	3.5	0.6	0.5	0.5
Viet Nam	5.1	4.8	4.6	9.2	11.4	11.3	0.2	0.3	0.3
AFRICA	82.9	82.9	88.5	22.2	25.6	25.9	3.9	3.5	4.7
Algeria	-	-	-	4.3	5.3	5.3	-	-	-
Egypt	7.9	7.4	7.5	9.3	10.6	10.5	-	-	-
Ethiopia	8.6	9.6	9.6	-	-	-	0.7	0.8	0.8
Kenya	3.5	3.4	3.7	1.0	1.2	1.2	-	-	-
Morocco	0.1	-	-	2.3	3.1	3.5	-	-	-
Nigeria	11.2	12.7	12.0	0.4	0.4	0.4	0.2	0.2	0.2
South Africa	13.0	11.8	16.0	1.1	0.6	-	1.7	1.4	2.5
United Republic of Tanzania	6.4	5.7	6.3	-	-	-	0.4	0.3	0.3
CENTRAL AMERICA & THE CARIBBEAN	32.4	31.6	32.0	22.2	24.3	25.5	1.3	1.1	1.0
Mexico	27.7	27.2	27.4	15.5	16.6	18.0	1.3	1.1	1.0
SOUTH AMERICA	138.3	171.1	173.6	14.0	16.1	15.7	50.9	79.3	74.4
Argentina	44.3	57.0	58.5	-	-	-	25.6	39.1	34.0
Brazil	80.6	100.0	102.5	1.7	1.5	1.6	23.5	37.3	37.8
Chile	1.1	1.0	0.8	1.8	2.6	2.6	-	-	-
Colombia	1.5	1.6	1.4	5.0	6.2	5.9	-	-	-
Peru	1.5	1.5	1.5	3.4	4.0	3.8	-	-	-
Venezuela (Bolivarian Republic of)	1.3	1.1	0.8	1.5	1.5	1.5	-	-	-
NORTHERN AMERICA	387.3	359.4	388.0	2.7	3.3	2.3	61.6	42.7	60.6
Canada	14.0	13.4	14.0	1.7	2.2	1.7	2.0	0.6	1.1
United States of America	373.4	346.0	373.9	1.1	1.1	0.6	59.7	42.1	59.5
EUROPE	119.1	132.7	117.1	19.4	20.5	25.0	32.4	42.6	35.4
European Union	65.8	70.3	60.4	18.5	19.5	22.0	2.7	4.9	3.0
Russian Federation	13.3	14.3	14.0	0.1	-	-	4.7	4.2	4.0
Serbia	6.1	7.3	6.2	-	-	-	1.9	2.6	2.0
Ukraine	29.5	35.9	33.0	0.1	-	-	22.8	30.4	26.0
OCEANIA	0.6	0.5	0.4	0.2	0.2	0.2	0.1	-	-
WORLD	1 116.1	1 138.2	1 160.3	152.5	173.6	179.8	154.7	173.4	179.8
LIFDC	87.7	91.2	90.8	15.8	18.7	19.1	2.8	2.6	2.6
LDC	50.9	51.3	53.9	4.1	4.2	4.3	4.1	4.3	4.1

APPENDIX TABLE 4(B): MAIZE STATISTICS

	Total Utilization			Stocks ending in			Per caput food use		
	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2017-2019 average	2020 <i>estim.</i>	2021 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>						<i>Kg/year</i>		
ASIA	423.1	436.8	450.1	220.6	218.9	210.7	9.3	9.4	9.4
China	268.6	270.5	282.1	204.7	201.4	192.6	9.8	9.8	9.8
China (mainland)	264.0	265.3	276.8	204.3	200.9	192.0	9.9	10.0	9.9
Taiwan Province of China	4.4	5.2	5.2	0.4	0.5	0.5	5.5	5.5	5.5
India	26.5	27.9	28.3	1.7	2.7	2.2	6.3	6.4	6.4
Indonesia	21.5	23.9	23.5	1.9	1.9	1.9	28.8	29.2	29.1
Iran (Islamic Republic of)	9.4	10.2	10.2	1.3	1.9	2.4	0.9	0.9	0.9
Japan	15.7	16.5	16.0	1.7	2.0	2.0	0.8	0.8	0.8
Malaysia	3.8	4.1	4.2	0.2	0.2	0.2	1.9	2.0	2.0
Pakistan	6.3	6.6	6.9	1.1	0.8	0.8	7.9	8.1	7.9
Philippines	8.1	8.5	8.6	0.9	1.0	1.0	18.6	18.8	18.7
Republic of Korea	10.2	10.9	11.3	1.1	0.5	0.9	2.0	2.0	2.0
Thailand	4.7	5.8	6.1	0.7	0.8	0.8	1.2	1.2	1.2
Turkey	8.4	9.0	9.0	1.0	1.5	1.5	16.0	15.8	15.7
Viet Nam	14.2	16.1	15.8	1.3	0.8	0.7	7.8	8.3	8.4
AFRICA	99.3	106.2	107.7	20.1	20.9	22.8	41.5	42.9	42.3
Algeria	4.3	5.2	5.4	1.2	1.3	1.2	3.4	3.3	3.2
Egypt	17.2	17.8	17.8	1.5	1.6	1.8	42.4	41.8	41.5
Ethiopia	7.6	8.4	8.7	0.9	1.6	1.7	45.3	48.1	48.9
Kenya	4.6	4.7	5.0	0.5	0.4	0.4	81.5	82.5	82.8
Morocco	2.3	2.9	3.4	0.8	1.2	1.4	10.3	10.4	10.4
Nigeria	11.2	12.9	12.2	1.4	2.0	2.0	35.4	39.6	39.5
South Africa	12.0	11.8	12.2	2.6	1.8	3.0	88.9	88.6	87.7
United Republic of Tanzania	6.0	6.0	6.1	1.4	0.7	0.6	73.1	73.5	73.8
CENTRAL AMERICA & THE CARIBBEAN	53.3	55.9	56.7	7.1	6.8	6.5	97.3	97.8	97.9
Mexico	41.7	43.9	44.4	5.6	5.6	5.4	135.5	136.0	136.1
SOUTH AMERICA	101.1	107.8	117.0	27.5	28.4	25.9	23.0	22.4	22.3
Argentina	19.3	19.8	24.0	8.0	9.0	7.5	7.1	7.1	7.1
Brazil	58.6	62.0	67.5	13.3	14.0	14.0	24.3	24.4	24.4
Chile	2.9	3.4	3.4	0.6	0.6	0.5	20.8	20.5	20.3
Colombia	6.5	7.5	7.6	0.5	0.4	0.3	18.1	18.3	18.3
Peru	4.9	5.5	5.5	0.3	0.4	0.2	15.3	16.0	15.8
Venezuela (Bolivarian Republic of)	3.0	2.6	2.4	0.6	0.5	0.4	51.0	42.1	42.2
NORTHERN AMERICA	326.8	321.8	325.9	58.7	53.2	57.3	14.8	14.8	14.8
Canada	14.0	14.2	14.7	2.3	2.6	2.3	3.2	3.1	3.1
United States of America	312.7	307.6	311.2	56.4	50.7	55.0	16.1	16.1	16.2
EUROPE	102.5	113.9	110.6	24.1	26.4	22.4	8.1	8.1	8.6
European Union	79.0	88.9	83.6	15.2	16.0	11.5	9.5	9.5	10.5
Russian Federation	8.3	10.0	10.0	1.5	1.8	1.8	1.4	1.4	1.4
Serbia	4.3	4.3	4.3	0.6	0.9	0.8	20.5	21.0	19.0
Ukraine	7.1	6.7	6.6	3.8	2.2	2.6	11.3	11.3	11.3
OCEANIA	0.7	0.6	0.5	0.1	0.1	0.1	2.3	2.2	2.2
WORLD	1 106.7	1 143.1	1 168.5	358.3	354.8	345.8	18.0	18.4	18.4
LIFDC	99.3	106.8	108.0	15.4	16.8	16.1	18.1	18.8	18.6
LDC	49.9	52.0	53.7	9.1	8.9	9.2	29.1	29.5	29.2

APPENDIX TABLE 5(A): BARLEY STATISTICS

	Production			Imports			Exports		
	2016-2018 average	2019 <i>estim.</i>	2020 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>								
ASIA	19.9	23.2	24.4	22.3	20.9	21.2	1.5	1.3	1.6
China	1.1	1.0	0.9	7.2	5.3	5.3	-	-	-
India	1.6	1.6	1.7	0.2	0.3	0.2	-	-	-
Iran (Islamic Republic of)	3.2	3.0	3.0	2.3	3.2	3.5	-	-	-
Iraq	0.3	1.5	1.5	-	-	-	-	-	-
Japan	0.2	0.2	0.2	1.2	1.1	1.2	-	-	-
Kazakhstan	3.5	3.8	4.1	-	-	-	1.3	1.3	1.5
Saudi Arabia	-	-	-	7.4	6.7	7.0	-	-	-
Syrian Arab Republic	0.6	2.0	2.3	0.5	-	-	-	-	-
Turkey	6.9	7.6	8.3	0.5	0.9	0.2	0.1	-	0.1
AFRICA	6.3	7.2	5.9	2.7	3.4	4.1	-	-	-
Algeria	1.3	2.0	1.7	0.5	0.6	0.6	-	-	-
Ethiopia	2.0	2.4	2.3	-	-	-	-	-	-
Libya	0.1	0.1	0.1	1.2	1.0	1.0	-	-	-
Morocco	2.0	1.2	0.6	0.4	1.1	1.6	-	-	-
Tunisia	0.4	0.9	0.5	0.6	0.6	0.7	-	-	-
CENTRAL AMERICA & THE CARIBBEAN	1.0	1.0	0.8	-	-	0.1	-	-	-
Mexico	1.0	1.0	0.8	-	-	0.1	-	-	-
SOUTH AMERICA	5.3	5.3	5.5	1.2	1.1	1.0	2.9	2.3	2.6
Argentina	4.0	3.8	4.0	-	-	-	2.8	2.3	2.5
NORTHERN AMERICA	12.0	14.1	13.9	0.2	0.2	0.2	2.0	2.2	2.1
Canada	8.4	10.4	10.3	0.1	0.1	-	1.9	2.1	2.0
United States of America	3.6	3.8	3.6	0.2	0.2	0.2	0.1	0.1	0.1
EUROPE	88.0	95.6	94.6	0.7	1.0	1.9	14.2	17.7	17.7
Belarus	1.2	1.1	1.2	0.2	0.2	0.2	-	-	-
European Union	58.4	63.6	55.4	0.3	0.6	1.5	5.2	8.1	6.5
Russian Federation	18.5	20.5	20.0	0.2	-	-	4.4	4.5	5.5
Ukraine	8.3	8.9	8.2	-	-	-	4.5	5.0	4.5
United Kingdom of Great Britain and Northern Ireland	-	-	8.4	-	-	-	-	-	1.2
OCEANIA	10.9	9.4	11.6	-	-	-	6.7	3.0	4.5
Australia	10.5	9.0	11.2	-	-	-	6.7	3.0	4.5
WORLD	143.4	155.8	156.8	27.2	26.5	28.5	27.3	26.5	28.5
LIFDC	5.3	7.2	7.4	0.9	0.5	0.5	-	-	-
LDC	2.3	2.6	2.6	-	-	-	-	-	-

APPENDIX TABLE 5(B): BARLEY STATISTICS

	Total Utilization			Stocks ending in			Per caput food use		
	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2017-2019 average	2020 <i>estim.</i>	2021 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>						<i>(..... Kg/year.....)</i>		
ASIA	41.5	40.6	42.3	7.4	8.5	9.9	0.7	0.6	0.6
China	8.7	6.0	6.0	0.6	0.4	0.3	0.1	0.1	0.1
India	1.8	1.8	1.9	-	-	-	1.2	1.1	1.1
Iran (Islamic Republic of)	5.4	5.8	6.0	0.9	1.2	1.7	0.3	0.3	0.3
Iraq	0.3	1.4	1.5	-	0.2	0.2	3.5	3.6	3.5
Japan	1.4	1.3	1.4	0.2	0.2	0.2	2.4	2.4	2.4
Kazakhstan	2.2	2.3	2.5	0.2	0.3	0.4	1.1	1.1	1.1
Saudi Arabia	8.1	7.1	7.2	2.6	1.7	1.5	0.8	0.8	0.8
Syrian Arab Republic	1.1	1.4	1.8	0.4	1.1	1.6	16.3	16.4	16.0
Turkey	7.3	8.0	8.1	1.0	1.5	1.8	1.0	1.0	1.0
AFRICA	9.2	10.5	10.5	1.6	2.1	1.7	2.6	2.7	2.6
Algeria	1.7	2.5	2.4	0.5	0.9	0.8	12.1	11.6	11.4
Ethiopia	2.0	2.3	2.3	0.1	-	-	17.1	17.9	17.2
Libya	1.3	1.1	1.1	-	-	-	13.0	12.7	12.5
Morocco	2.6	2.5	2.5	0.4	0.4	0.2	19.7	19.6	19.5
Tunisia	1.0	1.4	1.3	0.4	0.5	0.4	7.9	7.7	7.6
CENTRAL AMERICA & THE CARIBBEAN	1.0	1.0	0.9	0.1	0.1	0.1	-	-	-
Mexico	1.0	1.0	0.9	0.1	0.1	0.1	-	-	-
SOUTH AMERICA	3.8	4.0	3.9	0.6	0.6	0.6	0.5	0.5	0.5
Argentina	1.3	1.4	1.3	0.4	0.5	0.5	-	-	-
NORTHERN AMERICA	10.5	12.0	11.6	3.5	2.7	2.8	0.5	0.5	0.5
Canada	6.7	8.1	8.0	1.4	1.0	1.1	0.3	0.3	0.3
United States of America	3.8	3.9	3.7	2.1	1.7	1.7	0.6	0.6	0.6
EUROPE	74.5	75.1	78.8	11.0	14.8	14.9	1.1	1.1	1.2
Belarus	1.5	1.4	1.4	0.8	0.5	0.4	-	-	-
European Union	53.4	54.0	50.9	6.7	9.6	8.0	0.7	0.7	0.8
Russian Federation	14.4	14.5	14.7	2.0	2.7	2.6	1.8	1.8	1.8
Ukraine	3.8	3.8	3.7	1.2	1.5	1.5	2.7	2.6	2.6
United Kingdom of Great Britain and Northern Ireland	-	-	6.7	-	-	1.9	-	-	1.5
OCEANIA	4.2	4.8	5.4	2.4	4.2	5.9	0.1	0.1	0.1
Australia	3.8	4.4	5.0	2.4	4.2	5.9	0.2	0.2	0.2
WORLD	144.7	148.0	153.3	26.6	33.1	35.9	1.0	1.0	1.0
LIFDC	6.2	6.7	7.2	1.2	2.2	2.9	1.5	1.5	1.5
LDC	2.3	2.6	2.6	0.1	0.1	0.1	1.9	2.0	2.0

APPENDIX TABLE 6(A): SORGHUM STATISTICS

	Production			Imports			Exports		
	2016-2018 average	2019 <i>estim.</i>	2020 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>								
ASIA	8.2	7.5	8.9	4.5	3.8	6.0	0.1	0.1	0.1
China	2.8	3.1	3.3	3.9	3.2	5.4	-	-	-
India	4.5	3.5	4.7	-	-	-	0.1	-	0.1
Japan	-	-	-	0.6	0.4	0.5	-	-	-
AFRICA	28.6	28.3	28.3	0.9	1.0	1.0	0.9	0.7	0.7
Burkina Faso	1.7	1.9	1.6	-	-	-	-	-	-
Ethiopia	5.0	5.3	5.3	-	-	-	0.4	0.5	0.5
Nigeria	6.5	6.7	6.4	-	-	-	-	-	-
Sudan	5.3	4.0	4.7	0.2	0.3	0.3	0.3	-	-
CENTRAL AMERICA & THE CARIBBEAN	5.1	4.7	5.8	0.4	0.9	0.2	-	-	-
Mexico	4.8	4.4	5.5	0.4	0.9	0.2	-	-	-
SOUTH AMERICA	5.2	5.0	5.6	0.1	-	0.1	0.3	0.4	0.5
Argentina	2.4	1.6	1.8	-	-	-	0.3	0.3	0.5
Brazil	1.7	2.2	2.5	-	-	-	-	-	-
Venezuela (Bolivarian Republic of)	-	-	-	-	-	-	-	-	-
NORTHERN AMERICA	10.2	8.7	9.4	0.1	-	-	4.8	4.8	6.0
United States of America	10.2	8.7	9.4	0.1	-	-	4.8	4.8	6.0
EUROPE	1.1	1.3	1.5	0.5	0.1	0.1	0.1	0.2	0.1
European Union	0.7	1.0	1.3	0.5	0.1	0.1	-	-	-
OCEANIA	1.4	1.2	0.3	0.1	-	-	0.4	0.1	0.1
Australia	1.4	1.2	0.3	-	-	-	0.4	0.1	0.1
WORLD	59.9	56.7	59.9	6.5	5.8	7.5	6.8	6.2	7.5
LIFDC	26.0	24.5	25.9	0.8	0.9	0.9	0.9	0.7	0.8
LDC	20.2	19.8	20.0	0.6	0.7	0.7	0.8	0.7	0.6

APPENDIX TABLE 7(A): OTHER COARSE GRAIN STATISTICS: MILLET - RYE - OATS AND OTHER GRAINS

	Production			Imports			Exports		
	2016-2018 average	2019 <i>estim.</i>	2020 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>								
ASIA	19.2	17.9	20.5	0.8	0.7	0.8	0.2	0.2	0.3
AFRICA	20.9	21.3	21.7	0.2	0.2	0.2	0.4	0.5	0.4
CENTRAL AMERICA & THE CARIBBEAN	0.1	-	0.1	0.2	0.1	0.2	-	-	-
SOUTH AMERICA	2.5	2.8	2.8	0.2	0.1	0.2	0.1	-	0.1
NORTHERN AMERICA	5.6	6.3	6.9	1.8	1.9	2.0	2.1	2.2	2.2
EUROPE	44.1	43.7	47.4	0.5	0.3	0.6	0.8	0.9	0.8
OCEANIA	1.8	1.1	2.0	-	0.1	0.1	0.4	0.2	0.3
WORLD	94.1	93.3	101.3	3.8	3.7	4.0	3.9	3.9	4.0

APPENDIX TABLE 6(B): SORGHUM STATISTICS

	Total Utilization			Stocks ending in			Per caput food use		
	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2017-2019 average	2020 <i>estim.</i>	2021 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>						<i>(..... Kg/year.....)</i>		
ASIA	12.5	10.4	14.8	1.0	2.2	1.9	1.2	1.0	1.2
China	6.3	5.4	8.7	0.7	1.9	1.6	0.4	0.5	0.5
India	4.5	3.5	4.6	0.1	-	-	3.3	2.6	3.3
Japan	0.6	0.5	0.5	0.1	0.1	0.1	-	-	-
AFRICA	28.4	29.1	28.6	4.0	3.5	3.4	18.2	18.3	17.3
Burkina Faso	1.6	1.8	1.5	0.4	0.5	0.5	77.1	85.8	68.7
Ethiopia	4.5	4.7	4.8	0.7	0.8	0.8	31.9	31.9	31.5
Nigeria	6.5	6.6	6.3	0.1	-	-	31.9	31.0	28.8
Sudan	5.0	4.8	5.0	0.8	0.1	0.1	94.3	96.0	94.2
CENTRAL AMERICA & THE CARIBBEAN	5.5	5.7	6.0	0.4	0.5	0.6	0.5	0.5	0.5
Mexico	5.1	5.4	5.6	0.3	0.4	0.5	-	-	-
SOUTH AMERICA	5.1	4.9	5.3	0.8	0.6	0.5	0.0	0.0	0.0
Argentina	2.2	1.4	1.5	0.3	0.1	0.1	-	-	-
Brazil	1.7	2.2	2.5	0.2	0.2	0.2	-	-	-
Venezuela (Bolivarian Republic of)	0.1	-	-	-	-	-	-	-	-
NORTHERN AMERICA	5.5	4.4	2.8	1.1	0.8	0.8	0.1	0.1	0.1
United States of America	5.5	4.4	2.8	1.1	0.7	0.8	0.1	0.1	0.1
EUROPE	1.3	0.9	0.9	0.4	1.0	1.7	0.2	0.2	0.2
European Union	1.0	0.7	0.7	0.4	1.0	1.7	0.3	0.3	0.3
OCEANIA	0.9	0.9	0.6	0.8	0.9	0.5	0.2	0.2	0.2
Australia	0.8	0.9	0.6	0.8	0.8	0.5	-	-	-
WORLD	59.2	56.3	59.0	8.6	9.4	9.4	3.8	3.7	3.7
LIFDC	25.7	25.3	26.1	4.1	3.4	3.4	8.2	8.0	8.1
LDC	19.8	20.3	20.1	3.8	3.3	3.2	15.3	15.6	14.9

APPENDIX TABLE 7(B): OTHER COARSE GRAIN STATISTICS: MILLET - RYE - OATS AND OTHER GRAINS

	Total Utilization			Stocks ending in			Per caput food use		
	18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2017-2019 average	2020 <i>estim.</i>	2021 <i>f'cast</i>	16/17-18/19 average	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	<i>million tonnes</i>						<i>(..... Kg/year.....)</i>		
ASIA	20.5	18.8	20.8	1.4	0.9	1.0	3.4	3.3	3.4
AFRICA	19.4	20.8	21.1	6.8	8.6	8.9	12.0	12.3	12.2
CENTRAL AMERICA & THE CARIBBEAN	0.3	0.2	0.2	-	-	-0.1	0.2	0.3	0.3
SOUTH AMERICA	2.5	2.9	2.9	0.2	0.2	0.2	1.2	1.2	1.2
NORTHERN AMERICA	5.6	6.1	6.3	1.4	1.0	1.4	2.6	2.6	2.6
EUROPE	45.7	42.3	43.0	7.1	5.8	10.2	10.9	10.9	11.3
OCEANIA	1.5	1.2	1.6	0.2	0.1	0.3	5.4	5.3	5.2
WORLD	95.6	92.2	95.9	16.8	16.6	21.9	5.3	5.3	5.5

APPENDIX TABLE 9: CEREAL SUPPLY AND UTILIZATION IN SELECTED EXPORTERS (million tonnes)

	Wheat ¹			Coarse Grains ²			Rice (milled basis)		
	2018/19	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2018/19	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>	2018/19	2019/20 <i>estim.</i>	2020/21 <i>f'cast</i>
	UNITED STATES of AMERICA (Jun/May)			UNITED STATES of AMERICA			UNITED STATES of AMERICA (Aug/Jul)		
Opening Stocks	29.9	29.4	28.0	57.9	60.5	53.7	0.9	1.4	0.9
Production	51.3	52.6	49.7	378.3	359.8	388.6	7.1	5.9	7.2
Imports	3.7	2.9	3.4	2.7	3.1	2.7	0.9	1.2	1.2
Total Supply	84.9	84.9	81.1	438.9	423.4	445.0	8.9	8.5	9.3
Domestic use	30.0	30.6	30.5	323.4	319.1	321.0	4.6	4.6	4.6
Exports	25.5	26.3	26.5	55.1	50.6	65.9	3.0	3.0	3.1
Closing stocks	29.4	28.0	24.0	60.5	53.7	58.1	1.4	0.9	1.5
	CANADA (August/July)			CANADA			THAILAND (Aug/July)		
Opening Stocks	6.5	5.9	5.0	4.6	3.3	4.0	5.3	5.0	6.0
Production	32.2	32.3	34.1	26.3	28.7	29.6	21.4	18.7	19.4
Imports	0.1	0.1	0.1	2.9	2.2	1.5	0.3	0.4	0.2
Total Supply	38.8	38.3	39.2	33.8	34.2	35.1	27.0	24.1	25.6
Domestic use	8.6	8.9	8.9	24.3	25.2	25.6	12.2	12.1	12.6
Exports	24.3	24.5	24.5	6.1	5.0	5.3	9.9	6.1	6.7
Closing stocks	5.9	5.0	5.9	3.3	4.0	4.2	5.0	6.0	6.4
	ARGENTINA (Dec./Nov.)			ARGENTINA			INDIA (Oct./Sept.)		
Opening Stocks	1.6	2.8	3.0	10.6	9.9	9.6	21.8	28.8	32.7
Production	19.5	19.8	18.0	50.8	63.3	65.3	116.5	118.4	121.5
Imports	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Total Supply	21.1	22.6	21.0	61.5	73.3	75.0	138.3	147.2	154.2
Domestic use	6.3	6.6	6.2	25.9	23.5	27.7	99.0	102.7	106.4
Exports	11.9	13.0	13.4	25.7	40.1	39.1	10.4	11.9	12.6
Closing stocks	2.8	3.0	1.4	9.9	9.6	8.1	28.8	32.7	35.2
	AUSTRALIA (Oct./Sept.)			AUSTRALIA			PAKISTAN (Sept./Aug.)		
Opening Stocks	4.4	4.6	1.7	2.6	4.0	5.2	0.6	0.4	0.6
Production	17.6	15.2	28.9	11.9	11.6	13.6	7.2	7.4	7.7
Imports	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Supply	22.3	20.1	30.7	14.5	15.6	18.8	7.8	7.8	8.3
Domestic use	8.8	8.2	7.9	6.0	6.5	7.1	3.0	3.2	3.4
Exports	9.0	10.0	18.5	4.6	3.9	4.9	4.4	4.1	4.3
Closing stocks	4.6	1.7	4.3	4.0	5.2	6.7	0.4	0.6	0.7
	EUROPEAN UNION (July/June)			EUROPEAN UNION			VIET NAM (Jan./Dec.)		
Opening Stocks	20.2	13.9	11.2	24.5	29.9	28.7	3.6	3.8	3.4
Production	138.1	155.7	123.7	154.4	166.6	150.1	28.6	28.2	28.2
Imports	5.4	4.3	6.3	26.8	20.4	23.9	0.6	0.5	0.4
Total Supply	163.7	173.9	141.2	205.7	216.9	202.7	32.8	32.5	32.0
Domestic use	127.2	122.7	105.7	167.8	172.9	164.0	22.1	22.0	21.7
Exports	22.6	37.5	25.5	8.0	13.5	9.8	6.8	7.2	6.7
Closing stocks	13.9	13.6	9.0	29.9	30.5	28.9	3.8	3.4	3.6
	TOTAL OF ABOVE			TOTAL OF ABOVE			TOTAL OF ABOVE		
Opening Stocks	62.6	56.6	48.9	100.2	107.6	101.2	32.2	39.4	43.6
Production	258.7	275.6	254.4	621.7	630.0	647.2	180.8	178.6	184.0
Imports	9.5	7.6	9.9	32.5	25.8	28.2	1.8	2.1	1.8
Total Supply	330.8	339.8	313.2	754.4	763.4	776.6	214.8	220.1	229.4
Domestic use	180.9	177.0	159.2	547.4	547.2	545.4	140.9	144.6	148.7
Exports	93.3	111.3	108.4	99.5	113.1	125.0	34.5	32.3	33.4
Closing stocks	56.6	51.3	44.6	107.6	103.0	106.0	39.4	43.6	47.4

¹ Trade data include wheat flour in wheat grain equivalent. For the EU semolina is also included

² **Argentina** (December/November) for rye, barley and oats, (March/February) for maize and sorghum. **Australia** (November/October) for rye, barley and oats, (March/February) for maize and sorghum. **Canada** (August/July), **EU** (July/June), **United States** (June/May) for rye, barley and oats, (September/August) for maize and sorghum

APPENDIX TABLE 21: SELECTED INTERNATIONAL PRICES FOR WHEAT AND COARSE GRAINS

Period	Wheat			Maize		Barley		Sorghum
	US No. 2 Hard Red Winter Ord. Prot. ¹	US Soft Red Winter No. 2 ²	Argentina Trigo Pan ³	US No. 2 Yellow ²	Argentina ³	France feed Rouen	Australia feed Southern States	US No. 2 Yellow ²
..... (USD/tonne)								
Annual (July/June)								
2009/10	209	185	224	160	168	146	154	165
2010/11	316	289	311	254	260	266	248	248
2011/12	300	259	264	281	269	270	249	264
2012/13	348	310	336	311	277	297	298	281
2013/14	318	265	335	216	219	243	241	281
2014/15	266	221	246	173	177	205	243	210
2015/16	211	194	208	166	170	174	185	174
2016/17	197	170	190	156	172	159	162	151
2017/18	230	188	203	159	165	193	222	174
2018/19	232	210	233	166	166	163	265	163
2019/20	220	219	231	163	163	163	163	163
2019 – October	212	213	229	168	157	164	221	164
2019 – November	220	225	198	167	167	162	209	164
2019 – December	225	238	203	168	173	165	217	158
2020 – January	237	249	226	172	185	167	226	147
2020 – February	230	240	240	170	179	165	217	149
2020 – March	227	230	243	162	170	165	202	164
2020 – April	232	222	244	145	155	165	217	162
2020 – May	223	211	239	144	146	176	194	165
2020 – June	216	200	241	149	149	173	192	167
2020 – July	220	210	244	151	153	180	191	165
2020 – August	221	207	240	148	163	195	192	165
2020 – September	246	220	246	166	185	217	197	165
2020 – October	273	245	257	187	217	236	209	176

¹ Delivered United States f.o.b Gulf; ² Delivered United States Gulf; ³ Up River f.o.b.
Sources: International Grain Council and USDA.

APPENDIX TABLE 22: TOTAL WHEAT AND MAIZE FUTURES PRICES

	December		March		May		July	
	Dec 2020	Dec 2019	Mar 2020	Mar 2019	May 2020	May 2019	July 2021	July 2020
..... (USD/tonne)								
Wheat								
September 25	200	175	203	178	204	180	204	181
October 2	211	180	213	182	214	184	213	186
October 9	219	184	220	186	220	188	218	190
October 16	230	189	229	190	228	192	224	193
October 23	232	191	232	193	232	195	227	196
October 30	220	187	220	189	221	191	218	193
Maize								
September 25	144	147	147	152	149	155	151	157
October 2	149	153	153	157	155	159	157	160
October 9	156	155	158	160	160	162	161	163
October 16	158	154	160	159	161	161	161	163
October 23	165	153	165	157	166	160	165	162
October 30	157	154	159	157	160	160	160	162

Source: Chicago Board of Trade (CBOT)