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## 2010 Outlook of the U.S. and World Sugar Markets, 2009-2019

## Richard D. Taylor and Won W. Koo



Center for Agricultural Policy and Trade Studies Department of Agribusiness and Applied Economics North Dakota State University Fargo, North Dakota 58108-6050

#### ACKNOWLEDGMENTS

The authors extend appreciation to Andrew Swenson and Bruce Dahl for their constructive comments and suggestions. Special thanks go to Jennifer Carney, who helped to prepare the manuscript. The authors assume responsibility for any errors of omission, logic, or otherwise.

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#### **ABSTRACT**

This report evaluates the U.S. and world sugar markets for 2009-2019 using the Global Sugar Policy Simulation Model. This analysis is based on assumptions about general economic conditions, agricultural policies, population growth, weather conditions, and technological changes.

Both the U.S. and world sugar economies are predicted to remain stable over the next ten years in spite of the 2007-08 increase in world oil prices. That increase in oil price caused an increase in the conversion of sugar into ethanol in Brazil, while other exporting countries increased their production of sugar in response to higher sugar prices. Sugar prices remained strong in 2009 as the world's economies recover slowly from the recession. World demand for sugar is expected to grow at a similar rate to world supply, resulting in Caribbean sugar prices remaining near the 16.0-19.0 cents/lb range throughout the forecast period. The U.S. wholesale price of sugar is projected to increase from 33.72 cents/lb in 2009 to 36.19 cents/lb in 2019, if Brazil continues to convert sugar into ethanol. It is projected that Mexico would be able to export 483 thousand metric tons of sugar to the United States by 2019. World trade volumes of sugar are expected to increase throughout the forecast period.

Keywords: sugar, production, exports, consumption, ending stocks

#### HIGHLIGHTS

Total world sugar trade is projected to increase by 9.9% from 34.5 million metric tons to 37.9 million metric tons between 2009 and 2019. Brazil's exports are projected to increase from 21.6 million metric tons in 2009 to 25.6 million metric tons in 2019 even though Brazil uses a substantial amount of sugar cane for ethanol production. World sugar prices also are projected to increase from 18.72 cents/lb in 2009 to 19.10 cents/lb in 2019. U.S. wholesale sugar price is projected to increase from 33.72 cents/lb in 2009 to 36.19 cents/lb in 2019 if there is no significant change in domestic consumption of sugar.

U.S. sugar imports are predicted to increase by 18.4% over the 2009-2019 period compared to the recent average imports. U.S. sugar production is projected to increase 8.0% between 2009 and 2019. U.S. sugar consumption is projected to increase 7.8% and ending stocks are predicted to decrease 27.5%. However, the U.S. sugar industry could face some uncertainty, mainly because of potential increases in sugar imports from Mexico.

Canada's production is predicted to increase slightly between 2009 and 2019. Canada's imports are expected to increase by 12.6%. Consumption is predicted to increase 14.1%, and ending stocks are predicted to increase by 32.1%.

Mexico's production is expected to increase by 7.3%, and exports are expected to decrease slightly from the 2007-2009 average but increase from the 2009 level due to increases in exports to the United States under the North American Free Trade Agreement (NAFTA).

The European Union (EU) is expected to remain as an importer due to the EU-25 sugar policy reform. Their production is predicted to increase by 0.5%, while consumption will increase by 3.4%.

Production in India is predicted to increase by 3.1%, while consumption is predicted to increase 12.6% for the 2009-2019 period. India could import about 5.5 million metric tons of sugar by 2019.

Exporting countries, such as Australia, South Africa, and Brazil are predicted to increase their production and exports during the forecasting period.

Most importing countries, including Algeria and Egypt, are predicted to increase their imports for the 2009-2019 period.

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#### INTRODUCTION

Sugar is produced in over 100 countries worldwide. In most years, over 70% of world sugar production is consumed domestically which allowed the development of a large export market. However, a significant share of this trade takes place under bilateral long-term agreements or on preferential terms. Since only a small proportion of world production is traded freely, small changes in production and government policies tend to have large effects on world sugar markets. As a result, sugar prices have been unstable in the world market.

During late 2005 and the first quarter of 2006, world sugar price increased from about \$0.12/lb to over \$0.18/lb because of increased use of sugarcane for ethanol production in Brazil. World sugar price fell to \$0.12/lb in late 2006 and \$0.11/lb by early 2007 due to increased production in other exporting nations. The yearly average price for 2009 was \$0.187/lb.

This report evaluates the U.S. and world sugar industry for 2009-2019 using the Global Sugar Policy Simulation Model developed by Benirschka et al. (1996). This model was run utilizing 2009 data. The outlook projection is based on an assumption that farm and trade policies adopted by sugar exporting and importing countries remain unchanged.

Sugarcane is a perennial grass that is produced in tropical and subtropical climate zones. It matures in 12 to 16 months. Once the cane is harvested, the sucrose starts breaking down. Thus, sugarcane mills are located close to the cane fields to minimize transport costs and sucrose losses. Mills convert sugarcane into raw sugar which is shipped to refineries for further processing. In contrast to raw sugar producing mills, refineries are unconstrained by seasonal production patterns and operate throughout the year. Unlike sugarcane, sugarbeets are an annual crop of temperate climate zones. Because of disease problems, sugarbeets are always grown in crop rotations. Since sugarbeets are bulky and costly to transport, beet processing facilities are located close to production. In contrast to sugarcane, sugarbeets are directly processed into refined sugar. Raw sugar is produced only from sugarcane.

Raw sugar and refined sugar are two different products. They are both traded internationally. Beet sugar producing countries export refined sugar, while cane sugar producing countries export either raw or refined sugar. In recent years, the share of raw sugar in total sugar exports has been about 50%.

#### OVERVIEW OF THE WORLD SUGAR INDUSTRY AND SUGAR POLICIES

For the 2005-2009 period, annual global sugar production was approximately 154 million metric tons with about 30% of production exported from its country of origin. The largest sugar producing region is Brazil, followed by the India and the EU (Table 1).

Table 1. World Sugar Supply and Utilization, 2005 to 2009 Average

Country/	Beet/			Net	Ending	Per Capita
Region	Cane	Consumption	Production	Exports	Stocks	Consumption
		1,00	0 metric tons,	raw value		Kg
Algeria	В	1,200	10	(1,152)	223	32
Australia	C	1,230	5,032	3,794	915	62
Brazil	C	11,250	31,500	20,568	(555)	59
Canada	В	1,381	115	(1,271)	109	42
China	B/C	13,897	13,146	(1,019)	2,316	10
Cuba	C	707	1,272	571	112	59
European Union	В	17,256	16,539	(194)	3,077	40
Egypt	B/C	2,634	1,625	(952)	620	35
Former Soviet Union	B/C	10,291	5,996	(4,215)	1,593	35
India	C	22,699	22,796	274	6,069	19
Indonesia	C	4,270	2,308	(1,818)	594	19
Japan	B/C	2,254	910	(1,362)	388	18
Korea	-	1,113	0	(1,259)	141	23
Mexico	C	5,046	5,550	360	1,277	45
South Africa	C	1,607	2,400	941	342	37
Thailand	C	2,036	6,855	4,632	2,132	30
United States	B/C	9,470	7,112	(2,266)	1,383	32
Rest of World	B/C	42,817	30,769	(14,094)	11,302	20
World	B/C	151,159	153,939	50,400	32,039	22

Per capita sugar consumption was highest in the Australia followed by Cuba, and Brazil. Per capita sugar consumption in the United States was 32 kg, which was above world average per capita consumption (22 kg). Per capita sugar consumption was lowest in China at 10 kg per capita, but that may increase substantially as per capita income increases. Annual global sugar consumption for the 2005-2009 period was 151 million metric tons.

The major sugar exporting countries were Brazil, Australia, Thailand, and South Africa. These countries accounted for 59% of global exports from 2005 to 2009. A relatively few number of countries dominate world sugar exports, but imports are less concentrated. Major importing countries were the Former Soviet Union (FSU), United States, Indonesia, Korea, Canada, Algeria, China, and Japan. Imports by these countries accounted for about 28% of all sugar imports from 2005 to 2009. Under the Lome Convention, the EU was required to import sugar under preferential terms from certain African, Caribbean, and Pacific countries.

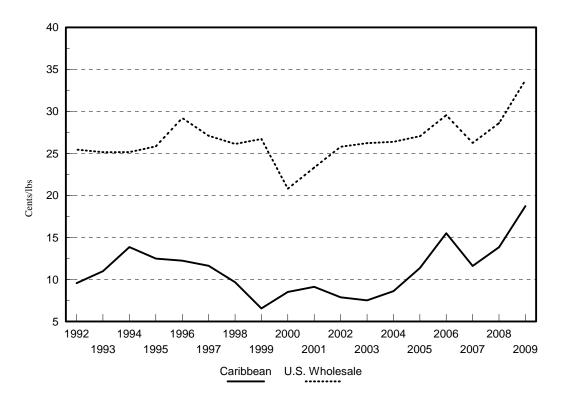


Figure 1. U.S. and World Sugar Prices

The Caribbean raw sugar price is usually considered to be the world market price for sugar. Except for years with high world market prices, there was a substantial wedge between the U.S. wholesale price of raw sugar and the world market price. Over the last decade, U.S. wholesale prices fluctuated between \$0.22 and \$0.34/lb. World market prices ranged between \$0.06/lb. and \$0.19/lb (Figure 1). Both real Caribbean raw sugar prices and U.S. raw sugar import prices had long-term downward trends but are increasing for the past 10 years. Figure 1 shows the dramatic price increase in Caribbean sugar price in late 2005 and 2006. In 2003, the price averaged \$0.07/lb, but it had risen to \$0.12/lb in 2005 and it was \$0.18/lb in June 2006 before falling to \$0.11/lb in 2007. The Caribbean price increased to \$0.14/lb in 2008 and \$1.9/lb in 2009. The high Caribbean sugar price also increased the U.S. wholesale price to over \$0.30/lb in 2006, falling to \$0.26/lb in 2007, before increasing to \$0.28/lb in 2008, and \$0.34 in 2009.

The volatility of world sugar prices could be due to the nature of supply response to price changes stemming from high fixed costs of sugar production. An increase in sugar production in response to rising sugar prices requires significant investments in processing facilities, and it takes some time until new production capacity becomes available. Once the facilities are in place, they tend to be used at full capacity to spread the fixed costs. Thus, when prices fall, production remains at full capacity. Sugar production is relatively unresponsive to price in the short run, however sugar price does respond to changes in consumption. The increase in the Caribbean price of sugar in 2005 and 2006 is mainly because Brazil increased the production of ethanol from sugar cane. However, the price dropped in 2007 because of increased production of

sugar from sugarcane in response to the higher sugar prices in 2005 and 2006. The price increases in 2008 and 2009 were due to smaller sugar production in India, China, and the EU. India's 2008 sugar crop was 44% smaller in 2007, and China's sugar crop was 16% smaller. Production for 2009 recovered in the EU but not for India and China.

The United States produces both beet and cane sugar. Cane sugar is produced mainly in Florida, Louisiana, and Texas. Beet sugar is produced largely in the Great Lakes region, Upper Midwest, Great Plains, and far western states. Beet sugar production increased 19% from 1992 to 2009, while cane sugar production remained the same (Figure 2). U.S. total sugar production increased about 13% from 6.8 million metric tons in 1992 to 7.7 million metric tons in 2009 (Figure 3).

U.S. consumption of sugar increased by 20.4% from about 8.0 million metric tons in 1992 to 9.4 million metric tons in 2009 (Figure 4). The balance was imported from more than 40 countries. U.S. sugar imports decreased 71% from 4.5 million metric tons in 1974 to 1.3 million metric tons in 1987 and then increased to an average of 1.9 million metric tons during the 1991 to 2009 period. Under the North American Free Trade Agreement (NAFTA), Mexico currently is allowed to export excess sugar to the United States. Currently, Mexico has exported less than 100,000 metric tons of sugar into the United States for the last few years, due to production shortages. The U.S.-Central American Free Trade Agreement (CAFTA), which is a free trade agreement (FTA) currently with six Central American countries, provides additional sugar imports of 107,000 metric tons, with additional increases of 3,000 metric tons per year.

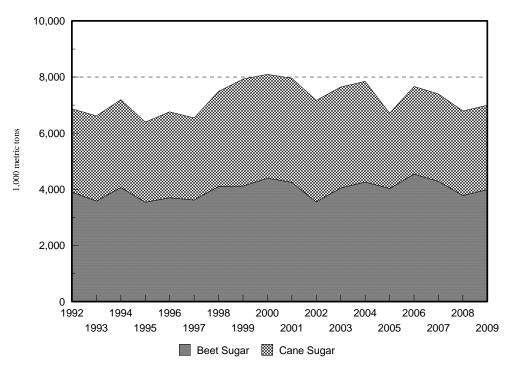


Figure 2. U.S. Beet and Cane Sugar Production

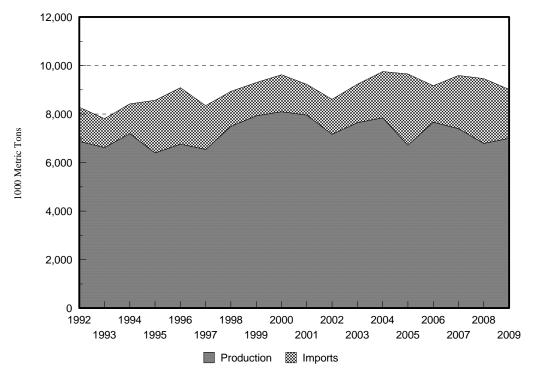


Figure 3. U.S. Sugar Production and Imports

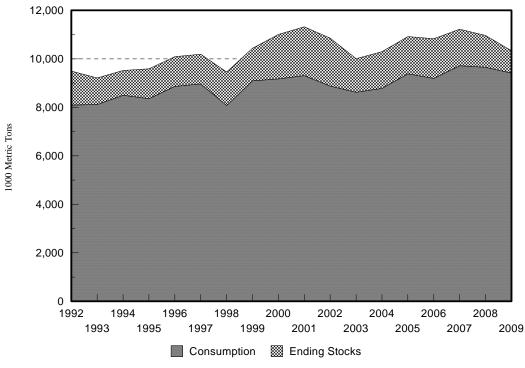


Figure 4. U.S. Sugar Consumption and Ending Stocks

#### **U.S. Sugar Programs and Policies**

The U.S. sugar program was established by the Food and Agricultural Act of 1981. Several modifications were made by the Food Security Act of 1985; the Food, Agriculture, Conservation, and Trade Act of 1990; the Federal Agriculture Improvement and Reform Act of 1996; the Farm Security and Rural Investment (FSRI) Act of 2002; and the Food, Conservation, and Energy Act of 2008.

The core policy tools in the program are the loan program, import restrictions, and production allotments. The main purpose of the loan program is to maintain a minimum market price for U.S. producers. Processors use sugar as collateral for loans from the U.S. Department of Agriculture (USDA). The program permits processors to store the sugar rather than sell it for lower than desired prices. Loans can be taken for up to nine months. Processors pay growers for delivered beets and cane, typically about 60% of the loan. Final payments are made and the loan is repaid after the sugar has been sold.

Under the FSRI Act, the sugar loan rate was set at 18 cents/lb for raw cane sugar and 22.9 cents/lb for refined beet sugar. However, loan rates are increased under the 2008 Farm Bill to 18.75 cents/lb for cane sugar and 24.09 cents/lb for beet sugar. Loans under the 2008 Farm Bill become recourse loans if the tariff rate quota (TRQ) is at 1.5 million metric tons or below, regardless of the price. When the TRQ is set above 1.5 million metric tons, the loans are nonrecourse. Under the nonrecourse loan, a processor can forfeit collateral (sugar) to the Commodity Credit Corporation (CCC) instead of loan repayment if market prices fall below the loan rates. Processors who obtain a nonrecourse loan must pay farmers an amount for their sugarbeets and sugarcane that is proportional to the loan value of sugar. This is the same as under previous legislation.

The Uruguay Round Agreement (URA) on agriculture made minor adjustments for sugar trade. U.S. import quotas on sugar were converted into TRQs, implying that a specified amount of sugar can be imported at the lower of two alternative duty rates. The amount of raw cane sugar subject to the lower duty rate must be no less than 1,117,195 metric tons in a fiscal year which was increased to 1,231,497 metric tons for 2005 due to production losses due to Hurricane Katrina. The minimum low-duty import of refined sugar is 22,000 metric tons. The minimum low-duty imports for raw and refined sugar add up to 1.256 million metric short tons raw value of sugar per year. The high duty (about 15 cents/lb) is imposed on the amount of sugar imported over the import quota. The first-tier duty ranges from zero to 0.625 cents/lb.

The second tier-duty for raw cane sugar was reduced from 17.62 cents/lb in 1995 to 15 cents/lb in 2000 under the URA. The duty for refined sugar was reduced from 18.6 cents/lb in 1995 to 16.21 cents/lb in 2000. The duties have remained constant since 2000.

The sugar quota has been allocated among more than 40 quota-holding countries, allowing imports of specific quantities of sugar at first-tier duty rates. The quota allocation is based on historical exports to the United States for the 1975 to 1981 period.

NAFTA allowed a rapid reduction in the second-tier duty for Mexican sugar over the past several years. The second-tier duty for Mexican sugar was reduced from 16.11 cents/lb in 1995 to zero in 2008. Duties beyond the import quota for most countries will remain at 15.82/lb for raw cane sugar and 16.21 cents/lb for refined sugar. This implies that Mexico is in a unique position to increase its exports of sugar to the United States above the allocated quota. Mexico produced 6.0 million metric tons of sugar in 2005 and consumed 5.4 million metric tons in the same year. Its net exports were 243 thousand metric tons for the year. If Mexico starts to use High Fructose Corn Sweetener (HFCS) for beverages, more of its sugar could be exported to the United States. Furthermore, the price of HFCS has increased substantially as a result of increased corn price. If the price of HFCS remains near the current levels, Mexico may not use HFCS for beverages. Currently there are transportation and use taxes on HFCS in Mexico. Mexico has been declared an excess sugar producer which will allow additional exports into the United States.

The United States signed a trade agreement in 2005 with the Central American countries of El Salvador, Guatemala, Honduras, Nicaragua, Costa Rica and the Dominican Republic. CAFTA allows 107,000 metric tons of additional sugar to be imported into the United States in the first year of implementation of the agreement, with additional increases of about 3,000 metric tons per year. This increase, however, does not have a significant impact on the price of U.S. sugar or world trade flows. Recent trade agreement and negotiations with Australia do not include increased sugar imports.

#### Domestic and Export Subsidies in the EU, South Africa, and Mexico

The basic tools of the EU's sugar policies are (1) import restrictions with limited free access for certain suppliers; (2) internal support prices that ensure returns to producers for fixed quantities of production and permit the maintenance of refining capacity; and (3) export subsidies for a quantity of domestically produced sugar.

Since 1995, EU-subsidized exports of sugar to third-world countries have been limited, in volume and value, under the URA commitments of the EU. However, the EU did not make an export subsidy commitment on its subsidized exports of a quantity of sugar equal to its preferential imports under the Lome Convention. The EU has proposed to limit sugar production to about 14.9 million metric tons per year. In 2008, the EU produced 15.2 million metric tons of sugar compared to 21 million metric tons of sugar in 2004 and 2005. If the EU limits sugar production to the stated level, the EU will become an importer.

South Africa has both internal price supports and export subsidies. South Africa reduced its subsidized exports by 200 thousand metric tons to 702 thousand metric tons although net exports for 2009 were 700 thousand metric tons. Mexico also has subsidized exports and is subsidizing raw sugar storage.

#### **Brazilian Production and Exports**

Brazil is the largest sugar producing country in the world. The production of sugar has increased 352% since 1990. About 50% of Brazilian sugar consumed domestically is converted into ethanol for fuel. Exports have risen from 1.2 million metric tons in 1990 to 23.9 million

metric tons in 2009. Sugar that is converted into ethanol is subsidized at prices higher than the world price. Recent increases in the world oil price has increased the price of ethanol which in turn increased Brazil's conversion of sugar into ethanol, reducing potential sugar exports from Brazil. That reduction in the growth of exports has increased world sugar prices. However, since the world oil price is highly volatile, this relationship may not hold in the future.

#### State Trading Enterprises in Australia, China, and India

Australia's sugar exports are handled by the Queensland Sugar Corporation (QSC), a statutory authority established under the Sugar Industry Act 1991. The QSC is responsible for the domestic marketing and export of 100% of the raw sugar produced in the state of Queensland, which produces 95% of the sugar produced in Australia. The QSC supports domestic producers through buyer-seller arrangements, marketing quotas, dual pricing arrangements, and other quasi-government mechanisms that isolate domestic producers from foreign competition. State trading enterprises (STEs) were not addressed in the URA. Other countries, including China and India, handle their sugar trade through STEs similar to the QSC.

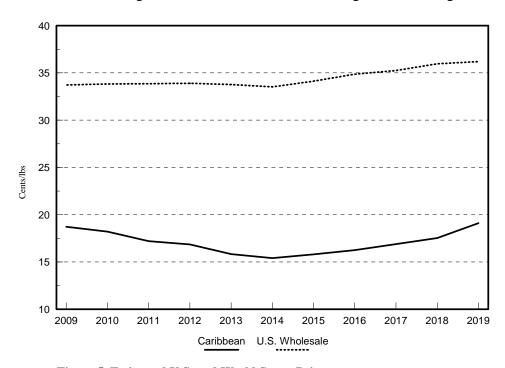


Figure 5. Estimated U.S. and World Sugar Prices

#### **OUTLOOK FOR THE WORLD SUGAR INDUSTRY**

Total world sugar trade is projected to increase 9.9%, from 34.5 to 37.9 million metric tons over the 2009-2019 period. Exports of sugar in most countries will increase for 2009-2019. Exports will increase 7.4% for Brazil, and 11.7% for Australia.

World sugar price, referred to as the Caribbean price of sugar, is projected to increase 2% from 18.72 cents/lb in 2009 to 19.1 cents/lb in 2019 (Figure 5) because slow world income growth will limit growth in oil consumption which will limit growth in ethanol production from sugar cane.

#### **United States**

Table 2 shows production, consumption, imports, and ending stocks of sugar for the United States. U.S. sugar production is predicted to increase to 7.6 million metric tons in 2019. The increase in sugar production is due mainly to an increase in U.S. sugarbeet production. U.S. sugar consumption is predicted to increase 7.8% from 9.6 million metric tons (the 2007-2009 average) to 10.3 million metric tons in 2019. Ending stocks are also predicted to decrease 27.3% (Table 2). Imports are predicted to increase 18.4% from the 2007-2009 average. However, the imports depend upon Mexico's sugar production and consumption.

Table 2. U.S. Sugar Production, Consumption, Imports, and Carry-over Stock, 2009-2019

				% Change
	Average			(2007-09) to
	(2007-2009)	2009	2019	2019
			1,000 me	etric tons
Production	7,061	6,998	7,626	8.0
Beet	4,018	3,992	4,433	10.3
Cane	3,043	3,006	3,192	4.9
Net Imports	2,295	2,020	2,718	18.4
Per capita Consumption	32	32	34	9.4
Consumption	9,592	9,412	10,342	7.8
Carry-over Stocks	1,248	932	907	-27.3

#### **Exporters**

Figure 6 shows the projected sugar exports for the largest exporting countries. Brazil is the largest sugar exporter followed by Thailand and Australia. Brazil's production is predicted to increase by 18.3% from 33.1 million metric tons in 2007-2009 to 39.1 million metric tons in 2019 (Table 3). Brazil's exports are predicted to increase from 21.6 million metric tons in 2007-2009 to 25.6 million metric tons in 2019. Its domestic consumption is predicted to increase by 16.4% from 11.6 million metric tons in 2007-2009 to 13.5 million metric tons in 2019. Much of the increase in consumption is due to ethanol production.

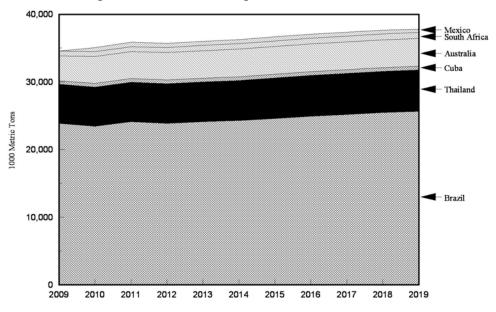


Figure 6. World Sugar Exports by Country

Thailand's exports are predicted to decrease by 8.8% from the 2007-2009 average of 2.2 million metric tons for the 2007-2009 average to 2.1 million metric tons in 2019 (Table 3). Consumption increases from 2.0 million metric tons for the 2007-2009 average to 2.4 million metric tons in 2019. Sugar production in the country also is predicted to increase by 12.3% from 7.6 million metric tons to 8.5 million metric tons in 2019.

Australia's exports are predicted to increase by 13.6% from 3.6 million metric tons for the 2007-2009 average to 4.1 million metric tons in 2019 (Table 3), due mainly to increased sugar production, which is predicted to increase by 14.0% from 4.9 million metric tons to 5.6 million metric tons in 2019. Sugar consumption is expected to increase by 14.2% from 1.3 million metric tons to 1.4 million metric tons in 2019.

Cuba's exports are predicted to decrease by 6.0% from the 2007-2009 level to 2019 (Table 3). It is predicted that Cuba will increase its sugar production by 3.0%, while consumption is predicted to increase by 13.0%. These projections are based on the assumption that the political situation remains the same between the United States and Cuba.

Mexico's production is predicted to increase by 7.3% from 5.5 million metric tons in 2007-2009 to 5.9 million metric tons in 2019. Mexico is expected to export 483 thousand metric tons by 2019, mainly to the United States under NAFTA. Sugar consumption is predicted to increase by 10.5% from 4.9 million metric tons in 2007-2009 to 5.4 million metric tons in 2019 under the assumption that Mexico does not convert to HFCS in their soft drink industry. Ending stocks are predicted to decrease by 26.5%. If Mexico replaces the sugar that is used in soft drinks with HFCS, the excess sugar will likely be exported to the United States under NAFTA.

South Africa's production is predicted to increase by 8.8% from 2.4 million metric tons in 2007-2009 to 2.6 million metric tons in 2019. South Africa's exports are predicted to increase 5.0% by 2019. Sugar consumption is predicted to increase by 3.1% and ending stocks are predicted to decrease by 21.4%.

#### **Importers**

Figures 7 through 9 show sugar imports by the major sugar importing countries. Sugar imports of selected Asian and African countries are expected to increase by 82.5% and 42.6%, respectively, for the 2009-2019 period. The main reason the Asian countries increased is that India began to import sugar.

Canada's production is predicted to increase above the 2007-2009 average of 104 thousand metric tons to 122 thousand tons by the year 2019, and consumption is predicted to increase from 1.5 million metric tons to 1.7 million metric tons in 2019 (Table 4). As a result, Canada's imports are predicted to increase 12.6% from 1.4 million metric tons to 1.6 million metric tons in 2019.

The EU has changed the internal sugar policy by restricting support. This has reduced production. Because of that change, the EU has become a net importer of sugar. EU imports are predicted to increase from 1.8 million metric tons in 2009 to 2.4 million metric tons in 2019 (Figure 7). Sugar production in the EU is predicted to increase 0.5% and consumption is predicted to increase from 16.6 million metric tons for the 2007-2009 average to 17.1 million tons in 2019 (Table 4). Most of the increase in consumption is due to the income increases in the countries now included in the EU.

Table 3. Sugar Production, Consumption, Exports, and Carry-over Stocks in Exporting Countries

Exporting Countries	Average			% change
	(2007-2009)	2009	2019	(2007-09) to 2019
	1,000 r	netric tons-		
Brazil				
Production	33,067	35,750	39,122	18.3
Net Exports	21,633	23,850	25,608	18.4
Consumption	11,617	11,800	13,515	16.4
Carry-over	(668)	(1,035)	202	NA
Thailand				
Production	7,573	7,700	8,505	12.3
Net Exports	2,249	2,351	2,050	-8.8
Consumption	2,033	2,100	2,356	15.9
Carry-over	2,384	2,151	2,063	-13.5
Australia				
Production	4,884	4,900	5,568	14.0
Net Exports	3,637	3,696	4,130	13.6
Consumption	1,250	1,250	1,428	14.2
Carry-over	420	410	428	1.8
Cuba				
Production	1,307	1,250	1,346	3.0
Net Exports	585	510	550	-6.0
Consumption	710	710	802	13.0
Carry-over	62	85	49	-20.5
Mexico				
Production	5,504	5,400	5,908	7.3
Net Exports	495	20	483	-2.5
Consumption	4,898	4,900	5,412	10.5
Carry-over	1,125	760	827	-26.5
South Africa				
Production	2,363	2,380	2,571	8.8
Net Exports	838	700	880	5.0
Consumption	1,638	1,680	1,689	3.1
Carry-over	139	92	109	-21.4

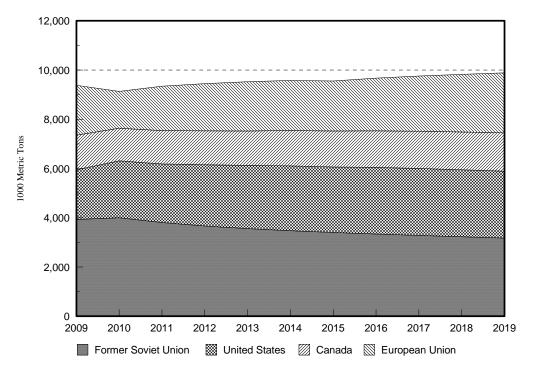


Figure 7. World Sugar Imports by Country, Major Importers

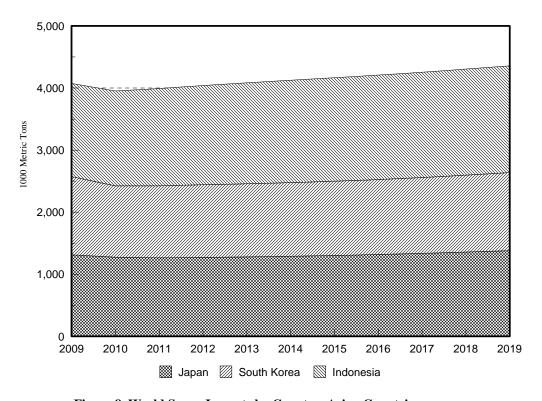


Figure 8. World Sugar Imports by Country, Asian Countries

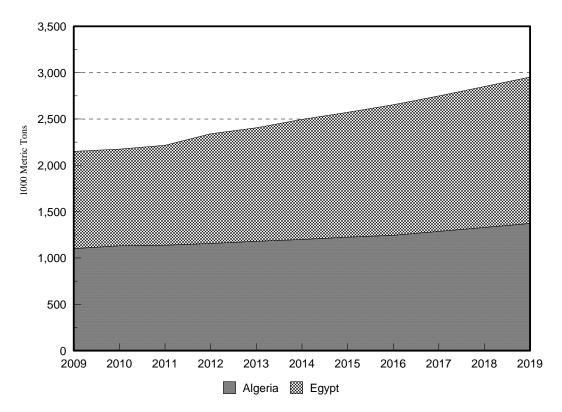


Figure 9. World Sugar Imports by Country, African Countries

The FSU's production is predicted to increase by 18.9% from the 2007-2009 average of 6.0 million metric tons to 7.1 million metric tons in 2019, and consumption is predicted to decrease 0.9% from 10.4 million metric tons to 10.3 million metric tons for the same period. Imports are predicted to decrease 23.7% from the 2007-2009 average (Table 4).

China is expected to increase its imports by about 57.6% from 0.92 million metric tons in 2007-2009 to 1.5 million metric tons in 2019 (Table 4). China's production is predicted to increase by 5.9% from 14.1 million metric tons for the 2007-2009 average to 15.0 million metric tons in 2019, and consumption is predicted to increase by 17% from 14.8 million metric tons to 17.3 million metric tons for the period.

India's production is predicted to increase by 3.1% from 20.7 million metric tons in 2007-2009 to 21.3 million metric tons in 2019. Japan's imports are predicted to increase by 0.3% from the 2007-2009 average to 1.4 million metric tons in 2019, due to a slight decrease in domestic consumption (Table 4).

**Table 4. Sugar production, Consumption, Imports, and Carry-over in Importing Countries** 

Countries	Average (2007-09)	2009	2019	% change (2007-09) to 2019
		1,000 metric to	ons	,
Algeria				
Production	10	11	11	6.5
Net Imports	1,079	1,100	1,372	27.1
Consumption	1,192	1,115	1,382	16.0
Carry-over	88	60	84	-4.9
Canada				
Production	104	100	122	16.9
Net Imports	1,384	1,408	1,559	12.6
Consumption	1,473	1,454	1,681	14.1
Carry-over	120	154	159	32.1
China				
Production	14,125	13,161	14,954	5.9
Net Imports	917	835	1,445	57.6
Consumption	14,828	15,413	17,346	17.0
Carry-over	3,159	2,047	2,673	-15.4
Egypt	5,169	_,	2,070	2011
Production	1,624	1.750	1,844	13.5
	991	1,750		59.5
Net Imports		1,050	1,581	
Consumption	2,710	2,720	3,419	26.2 32.6
Carry-over	742	936	984	32.6
European Union	1.4.600	15.200	14.606	0.7
Production	14,623	15,200	14,696	0.5
Net Imports	1,821	2,045	2,435	33.7
Consumption	16,555	16,500	17,120	3.4
Carry-over	2,830	3,185	3,209	13.4
Former Soviet Union	5.055	<b>7</b> 020	7.002	10.0
Production	5,955	5,828	7,083	18.9
Net Imports	4,159	3,928	3,175	-23.7
Consumption	10,353	10,100	10,255	-0.9
Carry-over	1,550	1,235	1,281	-17.4
India	20.607	17.200	21 225	2.1
Production	20,687	17,300	21,325	3.1
Net Imports	923	5,990	5,447	490.1
Consumption	23,733	23,500	36,719	12.6
Carry-over	5,440	3,480	3,840	-29.4
Indonesia	2.712	2050	0.156	27.5
Production	2,513	2,960	3,156	25.6
Net Imports	1,830	1,500	1,720	-6.0
Consumption	4,400	4,400	4,876	10.8
Carry-over	410	400	394	-3.9
Japan				
Production	930	939	880	-5.4
Net Imports	1,337	1,313	1,381	0.3
Consumption	2,276	2,220	2,260	-0.7
Carry-over	399	446	443	11.0
Korea				
Production	0	0	0	NA
Net Imports	1,284	1,260	1,258	-2.0
Consumption	1,121	1,155	1,251	11.6
Carry-over	160	164	241	50.0

In South Korea, consumption is predicted to increase by 11.6% for the time period and its imports are predicted to decrease 2.0% for the period. There is no domestic production of either sugar cane or sugar beets in South Korea.

In Algeria, consumption is predicted to increase by 16.0% from 1.2 million metric tons in 2007-2009 to 1.4 million metric tons in 2019. The increase in consumption results in increasing imports from 1.1 million metric tons for the 2007-2009 average to 1.4 million metric tons in 2019.

Egypt's imports are predicted to increase by 59.5% from 1.0 million metric tons in 2007-2009 to 1.6 million metric tons in 2019, due mainly to increased consumption. Consumption is predicted to increase 26.2% from 2.7 million metric tons to 3.4 million metric tons in 2019.

Indonesia's imports are predicted to decrease by 6.0% from 1.8 million metric tons in 2007-2009 to 1.7 million metric tons in 2019. Consumption is predicted to increase from 4.4 million metric tons for the 2007-2009 average to 4.9 million metric tons in 2019.

#### **CONCLUDING REMARKS**

This report provides an overview of the U.S. and world sugar markets for 2009-2019 using the Global Sugar Policy Simulation Model. The baseline projections are based on a series of assumptions about general economic conditions, agricultural policies, weather conditions, and technological change.

Total world sugar trade is projected to increase by 9.9% from 34.5 million metric tons in 2009 to 37.9 million metric tons in 2019. The price of Caribbean sugar is expected to increase about 2% from 18.72 cents/lb in 2009 to 19.10 cents/lb in 2019. With lower oil prices, the conversion of sugar into ethanol would limit demand increases thereby limiting price increases.

Exports are predicted to increase for Brazil, Australia, and South Africa due to production increases in those countries.

Imports by most importing countries are predicted to increase from the 2007-09 average to 2019. China's imports are predicted to increase by 57.6%, while Japan's imports are predicted to increase by only 0.5%. Imports by Egypt and Algeria are predicted to increase by 59.5% and 27.1%, respectively.

U.S. sugar consumption is predicted to increase by 7.8% for the forecasting period, while production is expected to increase by 10.3% for beet sugar and by 4.9% for cane sugar. Increases in beet sugar production may be limited due to high prices for other commodities as corn, soybeans, and wheat compete for acres. If the prices of corn, soybeans, and wheat remain higher than the prices projected by FAPRI and USDA, the U.S. domestic production of sugar could be smaller and imports could be higher. Imports are predicted to increase by 18.4% for the period. Mexico could have an impact on the U.S. sugar industry if the country uses HFCS in its soft drink industry. However, the recent high prices of HFCS could prevent conversion from sugar to HFCS by the soft drink industry. Otherwise Mexico's sugar exports to the United States could be relatively small, even though NAFTA allows unlimited exports of sugar beginning in 2008.

The large price increase in world sugar that occurred in late 2005 and 2006 would not be maintained. In the first half of 2007, Caribbean sugar price fell to 11 cents/lb from a high of 15.5 cents/lb in late 2006. The increased ethanol production in Brazil in 2005 and 2006 caused increases in the world price of sugar, which resulted in a production increase in other sugar exporting countries. Those production increases will continue to offset Brazil's demand for sugar cane for ethanol production. Higher priced in 2008 and 2009 were caused in part by lower production levels in China, India and the EU

One important variable to be considered is the possible substitution of sugar for HFCS in the U.S. soft drink industry, mainly because of the narrowing gap in the prices of the two products. If the substitution is realized, domestic demand for sugar may increase. The increased demand could positively affect the price of sugar, however, the effect could be limited due mainly to close substitute between HFCS and sugar in the U.S. soft-drink industry.

#### References

- Andino, Jose, Richard D. Taylor, and Won W. Koo. *The Mexican Sweeteners Market and Sugar Exports to the United States*. Agribusiness & Applied Economics Report No. 579. Center for Agricultural Policy and Trade Studies. North Dakota State University, Fargo, 2006.
- Benirschka, M., W.W. Koo, and J. Lou. *World Sugar Policy Simulation Model: Description and Computer Program Documentation*. Agricultural Economics Report No. 356.

  Department of Agricultural Economics, North Dakota State University, Fargo, 1996.
- Food and Agricultural Policy Research Institute, FAPRI. 2009 World Agricultural Briefing Book, Iowa State University and University of Missouri-Columbia. February 2009.
- Henneberry, P.D., and S.L. Haley. "Implications of NAFTA Duty Reductions for the U.S. Sugar Market." *Sugar and Sweetener: Situation and Outlook Report*, U.S. Department of Agriculture, Economic Research Service, SSS-224, Washington, DC, 1998.
- Koo, Won W., Richard Taylor and Jeremy W. Mattson. "Impacts of the U.S. Central American Free Trade Agreement on the U.S. Sugar Industry." Special Report 03-3. Center for Agricultural Policy and Trade Studies. North Dakota State University, Fargo, 2003.
- McElroy, R.C., and M. Ali. "U.S. Sugarbeet and Sugar Cane Per-acre Costs of Production: Revisions of 1992 and New 1993 and 1994 Crop Estimates." *Sugar and Sweetener Situation and Outlook*, U.S. Department of Agriculture, Economic Research Service, Washington, DC, 1995.
- Normile, M., and M. Simone. *Agriculture in the Uruguay Round*. U.S. Department of Agriculture, Economic Research Service, WTO Briefing Room, <a href="http://www.econ.ag.gov/briefing/wto/issues/uraa.htm">http://www.econ.ag.gov/briefing/wto/issues/uraa.htm</a>, 1999.
- U.S. Department of Agriculture, Economic Research Service, U.S. Agricultural Trade Update, Monthly Spreadsheet Files, <a href="http://usda.mannlib.cornell.edu/usda/usda.html">http://usda.mannlib.cornell.edu/usda/usda.html</a>, 2008.
- . Sugar and Sweeteners Outlook. EU-25 Sugar and Sweetener Policy Reform. January 31, 2006.
- PS&D View. (Computer Files). Washington, DC, 2009.
- . Sugar and Sweetener: Situation and Outlook Report. Washington, DC, various issues.
- U.S. Department of Agriculture, Economic Research Service. Website. www:ers.gov/data/macroeconmics.

## **Appendix**

#### World Sugar Policy Simulation Model

2010 Baseline Solution

United States - Nomina						,					
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	46.47	46.58	46.52	47.07	46.49	46.23	46.12	46.11	46.13	46.11	46.12
Sugarcane	35.16	35.27	35.21	35.78	35.18	34.91	34.80	34.79	34.81	34.79	34.80
United States - Nomina				2012	2012	2014	2015	2016	2017	2010	2010
Caribbasa Drisa	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Caribbean Price TRQ Status	18.72 Quota	18.71 Quota	18.76 Quota	18.72 Quota	18.74 Quota	18.72 Quota	18.73 Quota	18.72 Quota	18.74 Quota	18.72 Quota	18.73 Quota
Implicit Tariff	6.00	6.10	6.00	6.50	6.00	5.80	5.70	5.70	5.70	5.70	5.70
Import Price	24.72	24.81	24.76	25.22	24.74	24.52	24.43	24.42	24.44	24.42	24.43
Wholesale Price	33.72	33.82	33.76	34.25	33.74	33.51	33.42	33.41	33.43	33.41	33.42
Retail Price	53.68	53.81	53.74	54.40	53.71	53.40	53.27	53.26	53.28	53.26	53.27
, totali i iio		00.01		00		00.10	00.2.	00.20	00.20	00.20	00.2.
United States - Area H	arvested (100	0 acres)									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	1173	1172	1171	1172	1175	1179	1186	1196	1207	1219	1231
Sugarcane	853	852	851	852	852	854	857	860	865	870	876
Total Area	2026	2024	2022	2024	2027	2033	2043	2056	2072	2089	2107
United States - Yields	(short tons/act	re)									
United States - Yields			2044	2042	2042	2044	2045	2046	2047	2040	2010
	2009	2010	2011 25.60	2012 25.71	2013	2014 25.96	2015	2016	2017	2018	2019
Sugar Beets	2009 25.60	2010 25.56	25.60	25.71	25.79	25.96	26.16	26.37	26.58	26.79	27.00
Sugar Beets	2009	2010									27.00
Sugar Beets Sugarcane	2009 25.60 34.20	2010 25.56 34.20	25.60 34.27	25.71 34.37	25.79 34.50	25.96	26.16	26.37	26.58	26.79	27.00
Sugar Beets Sugarcane	2009 25.60 34.20	2010 25.56 34.20	25.60 34.27	25.71 34.37	25.79 34.50	25.96	26.16	26.37	26.58	26.79	27.00 35.41
Sugar Beets Sugarcane United States - Sugar I	2009 25.60 34.20 Beet and Suga	2010 25.56 34.20 arcane Pro	25.60 34.27 duction (10	25.71 34.37	25.79 34.50 ons)	25.96 34.64	26.16 34.79	26.37 34.94	26.58 35.10	26.79 35.25	2019 27.00 35.41 2019 33242
Sugar Beets Sugarcane United States - Sugar	2009 25.60 34.20 Beet and Suga 2009	2010 25.56 34.20 arcane Pro 2010	25.60 34.27 duction (10 2011	25.71 34.37 000 short to 2012	25.79 34.50 ons) 2013	25.96 34.64 2014	26.16 34.79 2015	26.37 34.94 2016	26.58 35.10 2017	26.79 35.25 2018	27.00 35.41 2019 33242
Sugar Beets Sugarcane United States - Sugar I	2009 25.60 34.20 Beet and Suga 2009 30026	2010 25.56 34.20 arcane Pro 2010 29961	25.60 34.27 duction (10 2011 29968	25.71 34.37 000 short to 2012 30135	25.79 34.50 ons) 2013 30293	25.96 34.64 2014 30618	26.16 34.79 2015 31039	26.37 34.94 2016 31530	26.58 35.10 2017 32072	26.79 35.25 2018 32643	27.00 35.41 2019 33242
Sugar Beets Sugarcane  United States - Sugar I Sugar Beets Sugarcane  United States - Sugar I	2009 25.60 34.20 Beet and Suga 2009 30026 29162 Extraction Rat	2010 25.56 34.20 arcane Pro 2010 29961 29137	25.60 34.27 duction (10 2011 29968 29159 t)	25.71 34.37 000 short to 2012 30135 29278	25.79 34.50 ons) 2013 30293 29411	25.96 34.64 2014 30618 29583	26.16 34.79 2015 31039 29802	26.37 34.94 2016 31530 30064	26.58 35.10 2017 32072 30360	26.79 35.25 2018 32643 30674	27.00 35.41 2019 33242 31006
Sugar Beets Sugarcane  United States - Sugar I Sugar Beets Sugarcane  United States - Sugar I	2009 25.60 34.20 Beet and Suga 2009 30026 29162 Extraction Rat 2009	2010 25.56 34.20 arcane Pro 2010 29961 29137 ees (percen 2010	25.60 34.27 duction (10 2011 29968 29159 t) 2011	25.71 34.37 000 short to 2012 30135 29278	25.79 34.50 ons) 2013 30293 29411	25.96 34.64 2014 30618 29583	26.16 34.79 2015 31039 29802	26.37 34.94 2016 31530 30064	26.58 35.10 2017 32072 30360	26.79 35.25 2018 32643 30674	27.00 35.41 2019 33242 31006
United States - Yields Sugar Beets Sugarcane United States - Sugar I Sugar Beets Sugarcane United States - Sugar I Variable Sugar Beets	2009 25.60 34.20 Beet and Suga 2009 30026 29162 Extraction Rat 2009 14.70	2010 25.56 34.20 arcane Pro 2010 29961 29137 es (percen 2010 14.70	25.60 34.27 duction (10 2011 29968 29159 t)	25.71 34.37 2000 short to 2012 30135 29278 2012 14.70	25.79 34.50 ons) 2013 30293 29411 2013 14.70	25.96 34.64 2014 30618 29583 2014 14.70	26.16 34.79 2015 31039 29802 2015 14.70	26.37 34.94 2016 31530 30064 2016 14.70	26.58 35.10 2017 32072 30360 2017 14.70	26.79 35.25 2018 32643 30674	27.00 35.41 2019 33242 31006 2019 14.70
Sugar Beets Sugarcane  United States - Sugar I Sugar Beets Sugarcane  United States - Sugar I Variable	2009 25.60 34.20 Beet and Suga 2009 30026 29162 Extraction Rat 2009	2010 25.56 34.20 arcane Pro 2010 29961 29137 ees (percen 2010	25.60 34.27 duction (10 2011 29968 29159 t) 2011	25.71 34.37 000 short to 2012 30135 29278	25.79 34.50 ons) 2013 30293 29411	25.96 34.64 2014 30618 29583	26.16 34.79 2015 31039 29802	26.37 34.94 2016 31530 30064	26.58 35.10 2017 32072 30360	26.79 35.25 2018 32643 30674	27.00 35.41 2019 33242 31006
Sugar Beets Sugarcane  United States - Sugar  Sugar Beets Sugarcane  United States - Sugar  Variable Sugar Beets Sugar Beets Sugar Cane	2009 25.60 34.20  Beet and Suga 2009 30026 29162  Extraction Rat 2009 14.70 11.35	2010 25.56 34.20 arcane Pro 2010 29961 29137 es (percen 2010 14.70 11.35	25.60 34.27 duction (10 2011 29968 29159 t) 2011 14.70 11.35	25.71 34.37 2000 short to 2012 30135 29278 2012 14.70	25.79 34.50 ons) 2013 30293 29411 2013 14.70	25.96 34.64 2014 30618 29583 2014 14.70	26.16 34.79 2015 31039 29802 2015 14.70	26.37 34.94 2016 31530 30064 2016 14.70	26.58 35.10 2017 32072 30360 2017 14.70	26.79 35.25 2018 32643 30674 2018 14.70	27.00 35.41 2019 33242 31006 2019 14.70
Sugar Beets Sugarcane  United States - Sugar Sugar Beets Sugarcane  United States - Sugar Variable Sugar Beets Sugar Beets Sugar Cane	2009 25.60 34.20  Beet and Sugare 2009 30026 29162  Extraction Rate 2009 14.70 11.35	2010 25.56 34.20 arcane Pro 2010 29961 29137 es (percen 2010 14.70 11.35	25.60 34.27 duction (10 2011 29968 29159 t) 2011 14.70 11.35	25.71 34.37 000 short to 2012 30135 29278 2012 14.70 11.35	25.79 34.50 ons) 2013 30293 29411 2013 14.70 11.35	25.96 34.64 2014 30618 29583 2014 14.70 11.35	26.16 34.79 2015 31039 29802 2015 14.70 11.35	26.37 34.94 2016 31530 30064 2016 14.70 11.35	26.58 35.10 2017 32072 30360 2017 14.70 11.35	26.79 35.25 2018 32643 30674 2018 14.70 11.35	27.00 35.41 2019 33242 31006 2019 14.70 11.35
Sugar Beets Sugarcane  United States - Sugar I Sugar Beets Sugarcane  United States - Sugar I Variable Sugar Beets Sugar Cane  United States - Sugar I United States - Sugar I United States - Sugar I	2009 25.60 34.20  Beet and Suga 2009 30026 29162  Extraction Rat 2009 14.70 11.35  Production (10 2009	2010 25.56 34.20 arcane Pro 2010 29961 29137 es (percen 2010 14.70 11.35	25.60 34.27 duction (10 2011 29968 29159 t) 2011 14.70 11.35	25.71 34.37 000 short to 2012 30135 29278 2012 14.70 11.35	25.79 34.50 2013 30293 29411 2013 14.70 11.35	25.96 34.64 2014 30618 29583 2014 14.70 11.35	26.16 34.79 2015 31039 29802 2015 14.70 11.35	2016 31530 30064 2016 14.70 11.35	2017 32072 30360 2017 14.70 11.35	26.79 35.25 2018 32643 30674 2018 14.70 11.35	27.00 35.41 2019 33242 31006 2019 14.70 11.35
Sugar Beets Sugarcane  United States - Sugar I Sugar Beets Sugarcane  United States - Sugar I Variable Sugar Beets	2009 25.60 34.20  Beet and Sugare 2009 30026 29162  Extraction Rate 2009 14.70 11.35	2010 25.56 34.20 arcane Pro 2010 29961 29137 es (percen 2010 14.70 11.35	25.60 34.27 duction (10 2011 29968 29159 t) 2011 14.70 11.35	25.71 34.37 000 short to 2012 30135 29278 2012 14.70 11.35	25.79 34.50 ons) 2013 30293 29411 2013 14.70 11.35	25.96 34.64 2014 30618 29583 2014 14.70 11.35	26.16 34.79 2015 31039 29802 2015 14.70 11.35	26.37 34.94 2016 31530 30064 2016 14.70 11.35	26.58 35.10 2017 32072 30360 2017 14.70 11.35	26.79 35.25 2018 32643 30674 2018 14.70 11.35	27.00 35.41 2019 33242 31006 2019 14.70

Variable	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tariff Rate Quota	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256
Below Quota Tariff	0	0	0	0	0	0	0	0	0	0	0
Above Quota Tariff	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36
United States - Implicit	Fariff (U.S. o	rents/noun	d) and Su	nar Trade (	(1000 short	tons)					
Office Otates - Implicit	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TRQ Status	Quota	Quota	Quota	Quota	Quota	Quota	Quota	Quota	Quota	Quota	Quota
Implicit Tariff	6.00	6.10	6.00	6.50	6.00	5.80	5.70	5.70	5.70	5.70	5.70
Total Imports	2427	2666	2741	2856	2951	3021	3051	3101	3121	3118	3116
Quota-sugar Imports	1257	1586	1591	1591	1591	1591	1591	1591	1591	1591	1591
Other Sugar Imports	3114	1930	1080	1150	1265	1360	1430	1460	1510	1530	1527
Total Exports	200	120	120	120	1203	120	120	120	120	120	120
Net Imports	2227	2546	2621	2736	2831	2901	2931	2981	3001	2998	2996
United States - Sugar S	upply and L	Itilization (1	1000 short	tons, raw v	value)						
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	1451	1016	1014	950	930	930	939	950	962	975	988
Production	7713	7711	7715	7753	7791	7859	7945	8047	8160	8280	8406
Net Imports	2227	2546	2621	2736	2831	2901	2931	2981	3001	2998	2996
Consumption	10375	10268	10408	10521	10632	10766	10889	11023	11156	11278	11400
Carry-out Stocks	1016	1014	950	930	930	939	950	962	975	988	1000
Per Capita	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Consumption	68.98	67.60	67.87	67.95	68.01	68.20	68.32	68.50	68.67	68.76	68.85
Stocks/Consumption	9.79	9.87	9.12	8.84	8.75	8.72	8.72	8.73	8.74	8.76	8.78
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Area Harvested	20	22	23	23	23	23	22	22	22	22	22
Yield	45.00	45.45	45.87	46.30	46.72	47.15	47.58	48.00	48.43	48.86	49.28
Production	900	1021	1050	1057	1061	1065	1068	1072	1075	1079	1082
Canada - Sugar Beet Ex	kogenous V	ariables									
Variable	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Extraction Rate (%)	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30
Canada - Sugar Supply		,			,	0044	0045	2010	0047	0040	0010
0	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	100	154	148	148	151	154	156	156	156	158	159
Production	100	115	119	119	120	120	121	121	122	122	122
Net Imports	1408	1326	1355	1380	1398	1436	1463	1486	1510	1536	1559

#N/A

#N/A

1515

154

#N/A

#N/A

1554

156

#N/A

#N/A

1584

156

#N/A

#N/A

1607

156

#N/A

#N/A

1630

158

#N/A

#N/A

1657

159

#N/A

#N/A

1681

159

1450

1454

154

42

Imports Exports

Consumption

Carry-out Stocks

#N/A

#N/A

1447

148

#N/A

#N/A

1473

148

#N/A

#N/A

1497

151

42.66 10.06 2011 632 74.91 47358 2011 11.90 0 metric tons 2011 754 5636 -656 #N/A #N/A 4979 755	2012 633 75.26 47660 2012 11.90 3, raw value 2012 755 5672 -645 #N/A #N/A 5022 760	2013 635 75.54 47934 2013 11.90 2013 760 5704 -634 #N/A #N/A 5064 767	43.97 10.04 2014 636 75.82 48207 2014 11.90 2014 767 5737 -633 #N/A #N/A 5096	2015 637 76.09 48487 2015 11.90 2015 774 5770 -631 #N/A	2016 639 76.36 48772 2016 11.90 2016 781 5804 -599 #N/A #N/A	45.10 9.69 2017 640 76.63 49060 2017 11.90 2017 790 5838 -564 #N/A	45.52 9.56 2018 642 76.90 49351 2018 11.90 2018 801 5873 -525 #N/A #N/A	2019 643 77.17 4964 2019 11.90 2019 814 5908 -483 #N/A
2011 632 74.91 47358  2011 11.90  0 metric tons 2011 754 5636 -656 #N/A #N/A 4979	2012 633 75.26 47660 2012 11.90 3, raw value 2012 755 5672 -645 #N/A #N/A 5022	2013 635 75.54 47934 2013 11.90 2013 760 5704 -634 #N/A #N/A 5064	2014 636 75.82 48207 2014 11.90 2014 767 5737 -633 #N/A #N/A	9.85  2015 637 76.09 48487  2015 11.90  2015 774 5770 -631 #N/A #N/A	9.73  2016 639 76.36 48772  2016 11.90  2016 781 5804 -599 #N/A	9.69  2017 640 76.63 49060  2017 11.90  2017 790 5838 -564 #N/A	9.56  2018 642 76.90 49351  2018 11.90  2018 801 5873 -525 #N/A	2019 643 77.17 4964 2019 11.90 2019 814 5908 -483
2011 632 74.91 47358 2011 11.90 0 metric tons 2011 754 5636 -656 #N/A #N/A 4979	2012 633 75.26 47660 2012 11.90 6, raw value 2012 755 5672 -645 #N/A #N/A 5022	2013 635 75.54 47934 2013 11.90 2013 760 5704 -634 #N/A #N/A 5064	2014 636 75.82 48207 2014 11.90 2014 767 5737 -633 #N/A #N/A	2015 637 76.09 48487 2015 11.90 2015 774 5770 -631 #N/A #N/A	2016 639 76.36 48772 2016 11.90 2016 781 5804 -599 #N/A	2017 640 76.63 49060 2017 11.90 2017 790 5838 -564 #N/A	2018 642 76.90 49351 2018 11.90 2018 801 5873 -525 #N/A	2019 643 77.17 4964 2019 11.90 2019 814 5908 -483
2011 11.90 2011 754 5636 -656 #N/A 4979	633 75.26 47660 2012 11.90 s, raw value 2012 755 5672 -645 #N/A #N/A 5022	2013 11.90 2013 760 5704 -634 #N/A 5064	2014 11.90 2014 767 5737 -633 #N/A	2015 11.90 2015 774 5770 -631 #N/A	639 76.36 48772 2016 11.90 2016 781 5804 -599 #N/A	2017 11.90 2017 790 5838 -564 #N/A	2018 11.90 2018 801 5873 -525 #N/A	2019 11.90 2019 814 5908 -483
2011 11.90 2011 754 5636 -656 #N/A 4979	633 75.26 47660 2012 11.90 s, raw value 2012 755 5672 -645 #N/A #N/A 5022	2013 11.90 2013 760 5704 -634 #N/A 5064	2014 11.90 2014 767 5737 -633 #N/A	2015 11.90 2015 774 5770 -631 #N/A	639 76.36 48772 2016 11.90 2016 781 5804 -599 #N/A	2017 11.90 2017 790 5838 -564 #N/A	2018 11.90 2018 801 5873 -525 #N/A	2019 11.90 2019 814 5908 -483
74.91 47358 2011 11.90 0 metric tons 2011 754 5636 -656 #N/A #N/A 4979	75.26 47660 2012 11.90 5, raw value 2012 755 5672 -645 #N/A #N/A 5022	2013 11.90 2013 760 5704 -634 #N/A #N/A 5064	75.82 48207 2014 11.90 2014 767 5737 -633 #N/A #N/A	2015 11.90 2015 774 5770 -631 #N/A	2016 11.90 2016 781 5804 -599 #N/A	76.63 49060 2017 11.90 2017 790 5838 -564 #N/A	76.90 49351 2018 11.90 2018 801 5873 -525 #N/A	77.17 4964 2019 11.90 2019 814 5908 -483
2011 11.90 0 metric tons 2011 754 5636 -656 #N/A #N/A 4979	2012 11.90 5, raw value 2012 755 5672 -645 #N/A #N/A 5022	2013 11.90 2013 760 5704 -634 #N/A #N/A 5064	2014 11.90 2014 767 5737 -633 #N/A #N/A	2015 11.90 2015 774 5770 -631 #N/A #N/A	2016 11.90 2016 781 5804 -599 #N/A	2017 11.90 2017 790 5838 -564 #N/A	2018 11.90 2018 801 5873 -525 #N/A	2019 11.90 2019 814 5908 -483
11.90  ) metric tons  2011  754  5636  -656  #N/A  #N/A  4979	11.90 5, raw value 2012 755 5672 -645 #N/A #N/A 5022	11.90 2013 760 5704 -634 #N/A #N/A 5064	2014 767 5737 -633 #N/A #N/A	2015 774 5770 -631 #N/A	2016 781 5804 -599 #N/A	2017 790 5838 -564 #N/A	2018 801 5873 -525 #N/A	2019 814 5908 -483
11.90  ) metric tons  2011  754  5636  -656  #N/A  #N/A  4979	11.90 5, raw value 2012 755 5672 -645 #N/A #N/A 5022	11.90 2013 760 5704 -634 #N/A #N/A 5064	2014 767 5737 -633 #N/A #N/A	2015 774 5770 -631 #N/A	2016 781 5804 -599 #N/A	2017 790 5838 -564 #N/A	2018 801 5873 -525 #N/A	2019 814 5908 -483
11.90  ) metric tons  2011  754  5636  -656  #N/A  #N/A  4979	11.90 5, raw value 2012 755 5672 -645 #N/A #N/A 5022	11.90 2013 760 5704 -634 #N/A #N/A 5064	2014 767 5737 -633 #N/A #N/A	2015 774 5770 -631 #N/A	2016 781 5804 -599 #N/A	2017 790 5838 -564 #N/A	2018 801 5873 -525 #N/A	2019 814 5908 -483
2011 754 5636 -656 #N/A #N/A 4979	2012 755 5672 -645 #N/A #N/A 5022	2013 760 5704 -634 #N/A #N/A 5064	2014 767 5737 -633 #N/A #N/A	2015 774 5770 -631 #N/A	2016 781 5804 -599 #N/A	2017 790 5838 -564 #N/A	2018 801 5873 -525 #N/A	2019 814 5908 -483
2011 754 5636 -656 #N/A #N/A 4979	2012 755 5672 -645 #N/A #N/A 5022	2013 760 5704 -634 #N/A #N/A 5064	767 5737 -633 #N/A #N/A	774 5770 -631 #N/A #N/A	781 5804 -599 #N/A	790 5838 -564 #N/A	801 5873 -525 #N/A	814 5908 -483
754 5636 -656 #N/A #N/A 4979	755 5672 -645 #N/A #N/A 5022	760 5704 -634 #N/A #N/A 5064	767 5737 -633 #N/A #N/A	774 5770 -631 #N/A #N/A	781 5804 -599 #N/A	790 5838 -564 #N/A	801 5873 -525 #N/A	814 5908 -483
5636 -656 #N/A #N/A 4979	5672 -645 #N/A #N/A 5022	5704 -634 #N/A #N/A 5064	5737 -633 #N/A #N/A	5770 -631 #N/A #N/A	5804 -599 #N/A	5838 -564 #N/A	5873 -525 #N/A	5908 -483
-656 #N/A #N/A 4979	-645 #N/A #N/A 5022	-634 #N/A #N/A 5064	-633 #N/A #N/A	-631 #N/A #N/A	-599 #N/A	-564 #N/A	-525 #N/A	-483
#N/A #N/A 4979	#N/A #N/A 5022	#N/A #N/A 5064	#N/A #N/A	#N/A #N/A	#N/A	#N/A	#N/A	
#N/A 4979	#N/A 5022	#N/A 5064	#N/A	#N/A				#IN/A
4979	5022	5064			#IN/A			#N/A
			3090	E122	E106			
755	700	101	774	5132 781	5196 790	5263 801	5335 814	5412 827
2011	2012	2013	2014	2015	2016	2017	2018	2019
42.14	42.04	41.94	41.76	41.62	41.71	41.83	41.99	42.18
15.17	15.14	15.14	15.18	15.21	15.21	15.23	15.25	15.28
2011	2012	2013	2014	2015	2016	2017	2018	2019
								7
								, 21
								155
2011	2012	2013	2014	2015	2016	2017	2018	2019
7.41	7.41	7.41	7.41	7.41	7.41	7.41	7.41	7.41
)	2011 7 20 149 2011 7.41	2011 2012 7 7 20 20 149 151 2011 2012 7.41 7.41 metric tons, raw value	2011 2012 2013 7 7 7 20 20 20 149 151 152 2011 2012 2013 7.41 7.41 7.41 metric tons, raw value)	2011 2012 2013 2014 7 7 7 7 20 20 20 21 149 151 152 152  2011 2012 2013 2014 7.41 7.41 7.41 7.41  metric tons, raw value)	2011     2012     2013     2014     2015       7     7     7     7     7       20     20     20     21     21       149     151     152     152     153       2011     2012     2013     2014     2015       7.41     7.41     7.41     7.41     7.41       metric tons, raw value)	2011       2012       2013       2014       2015       2016         7       7       7       7       7       7         20       20       20       21       21       21       21         149       151       152       152       153       154            2011       2012       2013       2014       2015       2016         7.41       7.41       7.41       7.41       7.41       7.41    metric tons, raw value)	2011     2012     2013     2014     2015     2016     2017       7     7     7     7     7     7       20     20     20     21     21     21     21       149     151     152     152     153     154     154       2011     2012     2013     2014     2015     2016     2017       7.41     7.41     7.41     7.41     7.41     7.41     7.41       metric tons, raw value)	2011         2012         2013         2014         2015         2016         2017         2018           7         7         7         7         7         7         7         7         7         7         7         7         20         20         20         21         21         21         21         21         21         21         154         155           149         151         152         152         153         154         154         155           2011         2012         2013         2014         2015         2016         2017         2018           7.41         7.41         7.41         7.41         7.41         7.41         7.41         7.41           metric tons, raw value)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita											
Consumption	30.11	30.29	30.20	30.38	30.65	30.82	31.10	31.28	31.97	32.68	33.39
Stocks/Consumption	5.38	5.95	6.28	6.41	6.45	6.46	6.43	6.40	6.27	6.15	6.04
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Area Harvested	424	433	437	439	440	441	441	442	443	444	445
Yield	87	90	91	91	92	92	92	93	93	94	94
Production	36845	38834	39578	39965	40251	40516	40778	41043	41313	41587	4186
Australia - Sugar Extrac	ction Rate (r	percent)									
riadiiana Gagai Extrac	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugarcane	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30
Australia - Sugar Suppl						204.4	2045	2046	2017	2049	2040
Carry-in Stocks	2009 451	2010 410	2011 371	2012 377	2013 382	2014 387	2015 392	2016 396	2017 404	2018 412	2019 418
Production	4900	5165	5264	5315	36∠ 5353	5389	5423	5459	404 5495	5531	5568
			5264 4000	4036	5353 4057	5389 4079	5423 4099	5459 4106		4130	
Net Exports	3696	3969 #N/A							4113 #N/A		4130
Exports	3700	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/ <i>F</i>
Imports	4	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	1250	1236	1257	1274	1291	1305	1320	1345	1373	1395	1428
Carry-out Stocks	410	371	377	382	387	392	396	404	412	418	428
Per Capita Consumption	2009 60.55	2010 59.15	2011 59.49	2012 59.61	2013 59.73	2014 59.74	2015 59.76	2016 60.28	2017 60.90	2018 61.22	62.0
				30.00							
	32.80	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.0
•	32.80	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.0
Stocks/Consumption	nd Utilizatio	n (1000 me	etric tons, r	aw value)							
Stocks/Consumption Brazil - Sugar Supply a	nd Utilizatio 2009	n (1000 me 2010	etric tons, r 2011	aw value) 2012	2013	2014	2015	2016	2017	2018	2019
Stocks/Consumption  Brazil - Sugar Supply ar  Carry-in Stocks	nd Utilizatio 2009 -1135	n (1000 me 2010 -1035	etric tons, r 2011 464	aw value) 2012 157	2013 218	2014 205	2015 207	2016 205	2017 204	2018 204	2019
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production	nd Utilizatio 2009 -1135 35750	n (1000 me 2010 -1035 35912	etric tons, r 2011 464 36213	raw value) 2012 157 36505	2013 218 36798	2014 205 37091	2015 207 37584	2016 205 38065	2017 204 38447	2018 204 38835	2019 203 3912
Stocks/Consumption  Brazil - Sugar Supply as  Carry-in Stocks  Production  Net Exports	nd Utilizatio 2009 -1135 35750 23850	n (1000 me 2010 -1035 35912 23430	etric tons, r 2011 464 36213 24092	2012 157 36505 23859	2013 218 36798 24102	2014 205 37091 24266	2015 207 37584 24584	2016 205 38065 24932	2017 204 38447 25185	2018 204 38835 25445	2019 203 3912 2560
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports	nd Utilizatio 2009 -1135 35750 23850 23850	n (1000 me 2010 -1035 35912 23430 #N/A	etric tons, r 2011 464 36213 24092 #N/A	2012 157 36505 23859 #N/A	2013 218 36798 24102 #N/A	2014 205 37091 24266 #N/A	2015 207 37584 24584 #N/A	2016 205 38065 24932 #N/A	2017 204 38447 25185 #N/A	2018 204 38835 25445 #N/A	2019 203 3912 2560 #N/A
Stocks/Consumption  Brazil - Sugar Supply as  Carry-in Stocks  Production  Net Exports  Exports  Imports	nd Utilizatio 2009 -1135 35750 23850 23850 0	n (1000 me 2010 -1035 35912 23430 #N/A #N/A	2011 464 36213 24092 #N/A #N/A	2012 157 36505 23859 #N/A #N/A	2013 218 36798 24102 #N/A #N/A	2014 205 37091 24266 #N/A #N/A	2015 207 37584 24584 #N/A #N/A	2016 205 38065 24932 #N/A #N/A	2017 204 38447 25185 #N/A #N/A	2018 204 38835 25445 #N/A #N/A	2019 203 3912 2560 #N/#
Stocks/Consumption  Brazil - Sugar Supply as Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption	nd Utilizatio 2009 -1135 35750 23850 23850	n (1000 me 2010 -1035 35912 23430 #N/A	etric tons, r 2011 464 36213 24092 #N/A	2012 157 36505 23859 #N/A	2013 218 36798 24102 #N/A	2014 205 37091 24266 #N/A	2015 207 37584 24584 #N/A	2016 205 38065 24932 #N/A	2017 204 38447 25185 #N/A	2018 204 38835 25445 #N/A	2019 203 3912 2560 #N/#
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports	nd Utilizatio 2009 -1135 35750 23850 23850 0	n (1000 me 2010 -1035 35912 23430 #N/A #N/A	2011 464 36213 24092 #N/A #N/A	2012 157 36505 23859 #N/A #N/A	2013 218 36798 24102 #N/A #N/A	2014 205 37091 24266 #N/A #N/A	2015 207 37584 24584 #N/A #N/A	2016 205 38065 24932 #N/A #N/A	2017 204 38447 25185 #N/A #N/A	2018 204 38835 25445 #N/A #N/A	2019 203 3912 2560 #N/A
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429	2012 157 36505 23859 #N/A #N/A 12585	2013 218 36798 24102 #N/A #N/A 12710	2014 205 37091 24266 #N/A #N/A 12823	2015 207 37584 24584 #N/A #N/A 13001	2016 205 38065 24932 #N/A #N/A 13133	2017 204 38447 25185 #N/A #N/A 13263	2018 204 38835 25445 #N/A #N/A 13390	2019 203 3912 2560 #N/A #N/A
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283 464	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429 157	2012 157 36505 23859 #N/A #N/A 12585 218	2013 218 36798 24102 #N/A #N/A 12710 205	2014 205 37091 24266 #N/A #N/A 12823 207	2015 207 37584 24584 #N/A #N/A 13001 205	2016 205 38065 24932 #N/A #N/A 13133 204	2017 204 38447 25185 #N/A #N/A 13263 204	2018 204 38835 25445 #N/A #N/A 13390 203	2019 203 3912 2560 #N/A #N/A 1351 202
Brazil - Sugar Supply and Carry-in Stocks Production Net Exports Exports Imports Consumption Carry-out Stocks	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283 464	2011 464 36213 24092 #N/A #N/A 12429 157	2012 157 36505 23859 #N/A #N/A 12585 218	2013 218 36798 24102 #N/A #N/A 12710 205	2014 205 37091 24266 #N/A #N/A 12823 207	2015 207 37584 24584 #N/A #N/A 13001	2016 205 38065 24932 #N/A #N/A 13133	2017 204 38447 25185 #N/A #N/A 13263	2018 204 38835 25445 #N/A #N/A 13390	2019 203 3912 2560 #N/A #N/A 1351 202
Brazil - Sugar Supply and Carry-in Stocks Production Net Exports Exports Imports Consumption Carry-out Stocks  Brazil - Per Capita Sugar	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283 464	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429 157	2012 157 36505 23859 #N/A #N/A 12585 218	2013 218 36798 24102 #N/A #N/A 12710 205	2014 205 37091 24266 #N/A #N/A 12823 207	2015 207 37584 24584 #N/A #N/A 13001 205	2016 205 38065 24932 #N/A #N/A 13133 204	2017 204 38447 25185 #N/A #N/A 13263 204	2018 204 38835 25445 #N/A #N/A 13390 203	2019 203 3912 2560 #N/A #N/A
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035 ar Consump 2009	n (1000 me 2010 -1035 35912 23430 #N/A 12283 464 otion (kiloge	etric tons, r 2011 464 36213 24092 #N/A 12429 157	2012 157 36505 23859 #N/A 12585 218 Stocks to L	2013 218 36798 24102 #N/A 12710 205	2014 205 37091 24266 #N/A 12823 207	2015 207 37584 24584 #N/A 13001 205	2016 205 38065 24932 #N/A 13133 204	2017 204 38447 25185 #N/A 13263 204	2018 204 38835 25445 #N/A 13390 203	2019 203 3912 2560 #N/A 1351 202
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Brazil - Per Capita Sugar  Per Capita  Consumption  Stocks/Consumption	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035 ar Consump 2009 60.06 -8.77	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283 464 otion (kilogr 2010 61.78 3.78	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429 157	2012 157 36505 23859 #N/A #N/A 12585 218 Stocks to L 2012 61.88	2013 218 36798 24102 #N/A 12710 205 Use Ratio ( 2013 61.82	2014 205 37091 24266 #N/A 12823 207 percent) 2014 61.71	2015 207 37584 24584 #N/A 13001 205	2016 205 38065 24932 #N/A 13133 204	2017 204 38447 25185 #N/A #N/A 13263 204	2018 204 38835 25445 #N/A 13390 203	2019 203 3912 2560 #N/A 1351 202 2019
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Brazil - Per Capita Sugar  Per Capita  Consumption  Stocks/Consumption	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035 ar Consump 2009 60.06 -8.77	n (1000 me 2010 -1035 35912 23430 #N/A 12283 464 stion (kilogo 2010 61.78 3.78	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429 157 rams) and s 2011 61.80 1.26	2012 157 36505 23859 #N/A 12585 218 Stocks to U 2012 61.88 1.74	2013 218 36798 24102 #N/A 12710 205 Jse Ratio ( 2013 61.82 1.61	2014 205 37091 24266 #N/A 12823 207 Decreent) 2014 61.71 1.61	2015 207 37584 24584 #N/A 13001 205 2015 61.93 1.58	2016 205 38065 24932 #N/A 13133 204 2016 61.94 1.56	2017 204 38447 25185 #N/A 13263 204 2017 61.94 1.54	2018 204 38835 25445 #N/A 13390 203 2018 61.95 1.52	2019 203 3912 2560 #N/A 1351 202 2019 61.9 1.50
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports    Exports    Imports    Consumption    Carry-out Stocks  Per Capita    Consumption    Stocks/Consumption  China - Area Harvested	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035 ar Consump 2009 60.06 -8.77	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283 464 bition (kilogi 2010 61.78 3.78  ares) 2010	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429 157  rams) and r 2011 61.80 1.26	aw value) 2012 157 36505 23859 #N/A #N/A 12585 218  Stocks to U 2012 61.88 1.74	2013 218 36798 24102 #N/A 12710 205 Use Ratio ( 2013 61.82 1.61	2014 205 37091 24266 #N/A 12823 207 2014 61.71 1.61	2015 207 37584 24584 #N/A 13001 205 2015 61.93 1.58	2016 205 38065 24932 #N/A 13133 204 2016 61.94 1.56	2017 204 38447 25185 #N/A 13263 204 2017 61.94 1.54	2018 204 38835 25445 #N/A 13390 203 2018 61.95 1.52	2019 203 3912 2560 #N/A 1351 202 2019 61.9 1.50
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production Net Exports Exports Imports Consumption Carry-out Stocks  Brazil - Per Capita Sugar  Per Capita Consumption Stocks/Consumption China - Area Harvested  Sugar Beets	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035 ar Consump 2009 60.06 -8.77	n (1000 me 2010 -1035 35912 23430 #N/A 12283 464  stion (kilogu 2010 61.78 3.78  ares) 2010 193	etric tons, r 2011 464 36213 24092 #N/A 12429 157 eams) and s 2011 61.80 1.26	2012 157 36505 23859 #N/A 12585 218 Stocks to U 2012 61.88 1.74	2013 218 36798 24102 #N/A 12710 205 Use Ratio ( 2013 61.82 1.61	2014 205 37091 24266 #N/A 12823 207 2014 61.71 1.61	2015 207 37584 24584 #N/A 13001 205 2015 61.93 1.58	2016 205 38065 24932 #N/A 13133 204 2016 61.94 1.56	2017 204 38447 25185 #N/A 13263 204 2017 61.94 1.54	2018 204 38835 25445 #N/A 13390 203 2018 61.95 1.52	2019 203 3912 2560 #N/# 1351 202 2019 1.50
Stocks/Consumption  Brazil - Sugar Supply and Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Brazil - Per Capita Sugar  Per Capita  Consumption	nd Utilizatio 2009 -1135 35750 23850 23850 0 11800 -1035 ar Consump 2009 60.06 -8.77	n (1000 me 2010 -1035 35912 23430 #N/A #N/A 12283 464 bition (kilogi 2010 61.78 3.78  ares) 2010	etric tons, r 2011 464 36213 24092 #N/A #N/A 12429 157  rams) and r 2011 61.80 1.26	aw value) 2012 157 36505 23859 #N/A #N/A 12585 218  Stocks to U 2012 61.88 1.74	2013 218 36798 24102 #N/A 12710 205 Use Ratio ( 2013 61.82 1.61	2014 205 37091 24266 #N/A 12823 207 2014 61.71 1.61	2015 207 37584 24584 #N/A 13001 205 2015 61.93 1.58	2016 205 38065 24932 #N/A 13133 204 2016 61.94 1.56	2017 204 38447 25185 #N/A 13263 204 2017 61.94 1.54	2018 204 38835 25445 #N/A 13390 203 2018 61.95 1.52	2019 203 3912 2560 #N/A 1351 202 2019 1.50

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	36.00	36.36	36.71	37.04	37.36	37.66	37.96	38.35	38.71	39.06	39.39
Sugarcane	71.00	71.63	72.16	72.60	72.99	73.34	73.65	73.93	74.20	74.45	74.69
China - Production (100	00 metric ton	s)									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	6660	7036	7047	6967	7017	7073	7145	7252	7340	7450	7548
Sugarcane	134900	141137	144325	146142	147551	148864	150132	151389	152620	153845	15506
China - Sugar Extractio	n Rates (per	cent)									
<u> </u>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugarbeets	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15
Sugarcane	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15
China - Sugar Supply a											
0 10 1	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	3464	2047	2012	2104	2203	2284	2356	2421	2490	2556	2620
Production	13161	13628	13921	14079	14213	14339	14462	14588	14710	14833	14954
Beet Sugar	674	714	715	707	712	718	725	736	745	756	766
Cane Sugar	12487	12914	13206	13372	13501	13621	13737	13852	13965	14077	1418
Net Imports	835	1908	1853	1898	1958	2043	2108	2174	2275	2466	2445
Exports	65	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	900	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	15413	15571	15683	15878	16091	16310	16505	16692	16919	17235	1734
Carry-out Stocks	2047	2012	2104	2203	2284	2356	2421	2490	2556	2620	2673
China - Per Capita Sug	ar Consump	tion (kiloar	ams) and S	Stocks to U	lse Ratio (r	percent)					
<u> </u>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita											
Consumption	11.43	11.47	11.47	11.53	11.61	11.69	11.75	11.82	11.91	12.07	12.09
Stocks/Consumption	13.28	12.92	13.41	13.88	14.19	14.44	14.67	14.92	15.11	15.20	15.41
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Area Harvested	390	395	395	395	395	395	395	395	395	395	395
Yield	31	31	31	32	32	32	32	32	33	33	33
Production	12168	12353	12417	12490	12560	12637	32 12712	12790	12866	12945	1302 <sup>2</sup>
Toduction	12100	12000	12417	12430	12300	12031	12112	12790	12000	12943	1302
Cuba - Sugar Extraction											
•	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugarcane	10.34	10.34	10.34	10.34	10.34	10.34	10.34	10.34	10.34	10.34	10.34
Cuba - Sugar Supply a		,			2042	204.4	2045	2040	2047	2040	2010
Committee Otto -1	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	55	85	94	95	92	86	80	74	68	61	55
Production	1250	1277	1284	1291	1299	1307	1314	1322	1330	1339	1346
Nat Companie											
Net Exports	510	559	564	564	562	560	558	556	553	551	550
Net Exports Consumption Carry-out Stocks	510 710 85	559 709 94	720 95	731 92	742 86	752 80	763 74	556 772 68	553 784 61	551 793 55	550 802 49

			ams) and S				2045	2010	2017	2040	2040
Per Capita	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Consumption	60.62	60.43	61.18	62.02	62.80	63.62	64.41	65.12	66.00	66.72	67.41
Stocks/Consumption	11.97	13.31	13.17	12.52	11.64	10.68	9.70	8.80	7.80	6.93	6.12
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				-							-
Egypt - Area Harvested	•										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	79	80	80	80	79	80	80	81	81	81	82
Sugarcane	126	126	126	126	127	127	127	128	128	129	130
Total Area	205	206	206	206	206	207	208	208	209	210	212
Egypt - Yields (metric to	ns/hectare	)									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	58.00	58.52	58.77	59.10	59.40	59.72	60.03	60.34	60.65	60.96	61.27
Sugarcane	104.00	104.04	104.19	104.44	104.77	105.17	105.64	106.15	106.71	107.30	107.9
Egypt - Production (1000	0 metric to:	ns)									
-3/Pt 1 100000011 (1000	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	4582	4667	4676	4699	4719	4770	4814	4860	4908	4955	5002
Sugarcane	13104	13107	13135	13186	13257	13347	13454	13576	13712	13861	1402
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
-							12.75 8.60	12.75 8.60	12.75 8.60	12.75 8.60	12.75 8.60
Sugarcane	12.75 8.60	12.75 8.60	12.75 8.60	12.75 8.60	12.75	12.75					
Sugarcane Egypt - Sugar Supply ar	12.75 8.60 and Utilization	12.75 8.60 on (1000 me	12.75 8.60 etric tons, r	12.75 8.60 aw value)	12.75 8.60	12.75 8.60	8.60	8.60	8.60	8.60	8.60
Sugarcane Egypt - Sugar Supply ar Carry-in Stocks	12.75 8.60 and Utilization 2009	12.75 8.60 on (1000 me	12.75 8.60 etric tons, re 2011	12.75 8.60 aw value) 2012	12.75 8.60 2013	12.75 8.60 2014	8.60 2015	2016	2017	2018	8.60 2019
Sugarcane Egypt - Sugar Supply ar Carry-in Stocks	12.75 8.60 and Utilization 2009 746	12.75 8.60 on (1000 me 2010 936	12.75 8.60 etric tons, r. 2011 940	12.75 8.60 aw value) 2012 943	12.75 8.60 2013 948	12.75 8.60 2014 952	8.60 2015 957	8.60 2016 962	8.60 2017 968	8.60 2018 973	8.60 2019 978
Sugarcane  Egypt - Sugar Supply ar  Carry-in Stocks  Production	12.75 8.60 and Utilization 2009 746 1750	12.75 8.60 on (1000 me 2010 936 1722	12.75 8.60 etric tons, r. 2011 940 1726	12.75 8.60 aw value) 2012 943 1733	12.75 8.60 2013 948 1742	12.75 8.60 2014 952 1756	8.60 2015 957 1771	2016 962 1787	8.60 2017 968 1805	2018 973 1824	2019 978 1844
Sugarcane  Egypt - Sugar Supply ar  Carry-in Stocks  Production  Beet Sugar  Cane Sugar	12.75 8.60 and Utilizatio 2009 746 1750 600	12.75 8.60 on (1000 me 2010 936 1722 595	12.75 8.60 etric tons, r. 2011 940 1726 596	12.75 8.60 aw value) 2012 943 1733 599	12.75 8.60 2013 948 1742 602	12.75 8.60 2014 952 1756 608	2015 957 1771 614	2016 962 1787 620	2017 968 1805 626	2018 973 1824 632	2019 978 1844 638
Sugarcane  Egypt - Sugar Supply ar  Carry-in Stocks  Production  Beet Sugar  Cane Sugar	12.75 8.60 and Utilization 2009 746 1750 600 1150	12.75 8.60 en (1000 me 2010 936 1722 595 1127	12.75 8.60 etric tons, r. 2011 940 1726 596 1130	12.75 8.60 aw value) 2012 943 1733 599 1134	2013 948 1742 602 1140	2014 952 1756 608 1148	2015 957 1771 614 1157	2016 962 1787 620 1168	2017 968 1805 626 1179	2018 973 1824 632 1192	2019 978 1844 638 1206
Sugarcane  Egypt - Sugar Supply ar  Carry-in Stocks  Production  Beet Sugar  Cane Sugar  Net Imports	12.75 8.60 and Utilization 2009 746 1750 600 1150 1050	12.75 8.60 on (1000 me 2010 936 1722 595 1127 1043	12.75 8.60 etric tons, r. 2011 940 1726 596 1130 1078	12.75 8.60 aw value) 2012 943 1733 599 1134 1183	2013 948 1742 602 1140 1225	2014 952 1756 608 1148 1296	2015 957 1771 614 1157 1348	2016 962 1787 620 1168 1410	2017 968 1805 626 1179 1462	2018 973 1824 632 1192 1522	2019 978 1844 638 1206 1581
Egypt - Sugar Supply ar  Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports	12.75 8.60 and Utilization 2009 746 1750 600 1150 1050 250	12.75 8.60 on (1000 me 2010 936 1722 595 1127 1043 #N/A	12.75 8.60 etric tons, r. 2011 940 1726 596 1130 1078 #N/A	12.75 8.60 aw value) 2012 943 1733 599 1134 1183 #N/A	2013 948 1742 602 1140 1225 #N/A	2014 952 1756 608 1148 1296 #N/A	2015 957 1771 614 1157 1348 #N/A	2016 962 1787 620 1168 1410 #N/A	2017 968 1805 626 1179 1462 #N/A	2018 973 1824 632 1192 1522 #N/A	2019 978 1844 638 1206 1581 #N/A
Egypt - Sugar Supply ar  Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports Consumption	12.75 8.60 and Utilization 2009 746 1750 600 1150 1050 250 1410	12.75 8.60 on (1000 me 2010 936 1722 595 1127 1043 #N/A #N/A	12.75 8.60 etric tons, r. 2011 940 1726 596 1130 1078 #N/A #N/A	12.75 8.60 aw value) 2012 943 1733 599 1134 1183 #N/A #N/A	2013 948 1742 602 1140 1225 #N/A #N/A	2014 952 1756 608 1148 1296 #N/A #N/A	2015 957 1771 614 1157 1348 #N/A #N/A	2016 962 1787 620 1168 1410 #N/A #N/A	2017 968 1805 626 1179 1462 #N/A #N/A	2018 973 1824 632 1192 1522 #N/A #N/A	2019 978 1844 638 1206 1581 #N/A #N/A
Egypt - Sugar Supply an  Carry-in Stocks  Production  Beet Sugar  Cane Sugar  Net Imports  Exports  Imports  Consumption  Carry-out Stocks	12.75 8.60 and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936	12.75 8.60 936 1722 595 1127 1043 #N/A #N/A 2762 940	12.75 8.60 etric tons, r. 2011 940 1726 596 1130 1078 #N/A #N/A 2801 943	12.75 8.60 aw value) 2012 943 1733 599 1134 1183 #N/A #N/A 2911 948	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957	2015 957 1771 614 1157 1348 #N/A #N/A 3114	2016 962 1787 620 1168 1410 #N/A #N/A 3192	2017 968 1805 626 1179 1462 #N/A #N/A 3262	2018 973 1824 632 1192 1522 #N/A #N/A 3341	2019 978 1844 638 1206 1581 #N/A #N/A 3419
Egypt - Sugar Supply an  Carry-in Stocks  Production  Beet Sugar  Cane Sugar  Net Imports  Exports  Imports  Consumption  Carry-out Stocks  Egypt - Per Capita Sugar	12.75 8.60 and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936	12.75 8.60 936 1722 595 1127 1043 #N/A #N/A 2762 940	12.75 8.60 etric tons, r. 2011 940 1726 596 1130 1078 #N/A #N/A 2801 943	12.75 8.60 aw value) 2012 943 1733 599 1134 1183 #N/A #N/A 2911 948	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957	2015 957 1771 614 1157 1348 #N/A #N/A 3114	2016 962 1787 620 1168 1410 #N/A #N/A 3192	2017 968 1805 626 1179 1462 #N/A #N/A 3262	2018 973 1824 632 1192 1522 #N/A #N/A 3341	2019 978 1844 638 1206 1581 #N/A #N/A 3419
Egypt - Sugar Supply an  Carry-in Stocks  Production  Beet Sugar  Cane Sugar  Net Imports  Exports  Imports  Consumption  Carry-out Stocks  Egypt - Per Capita Sugar	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009	12.75 8.60  n (1000 me 2010 936 1722 595 1127 1043 #N/A #N/A 2762 940  otion (kilogr	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A #N/A 2801 943	12.75 8.60 aw value) 2012 943 1733 599 1134 1183 #N/A #N/A 2911 948 Stocks to L	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952 Jse Ratio (p	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957	2015 957 1771 614 1157 1348 #N/A #N/A 3114 962	2016 962 1787 620 1168 1410 #N/A #N/A 3192 968	2017 968 1805 626 1179 1462 #N/A #N/A 3262 973	2018 973 1824 632 1192 1522 #N/A #N/A 3341 978	2019 978 1844 638 1206 1581 #N/A 3419 984
Cane Sugar Net Imports Exports	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump	12.75 8.60 910 936 1722 595 1127 1043 #N/A 2762 940	12.75 8.60 etric tons, r. 2011 940 1726 596 1130 1078 #N/A 2801 943	12.75 8.60 2012 943 1733 599 1134 1183 #N/A #N/A 2911 948	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957	2015 957 1771 614 1157 1348 #N/A #N/A 3114 962	2016 962 1787 620 1168 1410 #N/A #N/A 3192 968	2017 968 1805 626 1179 1462 #N/A #N/A 3262 973	2018 973 1824 632 1192 1522 #N/A #N/A 3341 978	2019 978 1844 638 1206 1581 #N/A 3419 984
Egypt - Sugar Supply ar  Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports Consumption Carry-out Stocks  Egypt - Per Capita Sugar Per Capita Consumption	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009	12.75 8.60  n (1000 me 2010 936 1722 595 1127 1043 #N/A #N/A 2762 940  otion (kilogr	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A #N/A 2801 943	12.75 8.60 aw value) 2012 943 1733 599 1134 1183 #N/A #N/A 2911 948 Stocks to L	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952 Jse Ratio (p	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957	2015 957 1771 614 1157 1348 #N/A #N/A 3114 962	2016 962 1787 620 1168 1410 #N/A #N/A 3192 968	2017 968 1805 626 1179 1462 #N/A #N/A 3262 973	2018 973 1824 632 1192 1522 #N/A #N/A 3341 978	2019 978 1844 638 1206 1581 #N/A 3419 984
Egypt - Sugar Supply and Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports Consumption Carry-out Stocks  Egypt - Per Capita Sugar Per Capita Consumption Stocks/Consumption	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009 34.92 34.41	12.75 8.60  m (1000 me 2010 936 1722 595 1127 1043 #N/A 2762 940  otion (kilogr 2010 34.75 34.02	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A 2801 943  erams) and \$ 2011 34.55 33.68	12.75 8.60  aw value) 2012 943 1733 599 1134 1183 #N/A #N/A 2911 948  Stocks to L 2012 35.22 32.56	12.75 8.60 2013 948 1742 602 1140 1225 #N/A #N/A 2962 952 Use Ratio (p 2013 35.17 32.15	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957 Dercent) 2014 35.51 31.42	2015 957 1771 614 1157 1348 #N/A 3114 962 2015 35.63 30.91	2016 962 1787 620 1168 1410 #N/A 3192 968 2016 35.88 30.32	2017 968 1805 626 1179 1462 #N/A 3262 973	2018 973 1824 632 1192 1522 #N/A #N/A 3341 978 2018 36.30 29.28	2019 978 1844 638 1206 1581 #N/A 3419 984 2019 36.55 28.77
Egypt - Sugar Supply and Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports Consumption Carry-out Stocks  Egypt - Per Capita Sugar Per Capita Consumption Stocks/Consumption European Union - Sugar	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009 34.92 34.41  r Quota (10) 2009	12.75 8.60  m (1000 me 2010 936 1722 595 1127 1043 #N/A 2762 940  otion (kilogr 2010 34.75 34.02	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A 2801 943  eams) and \$ 2011 34.55 33.68  ons, white 2011	12.75 8.60  aw value) 2012 943 1733 599 1134 1183 #N/A 2911 948  Stocks to L 2012 35.22 32.56  sugar equi 2012	12.75 8.60  2013 948 1742 602 1140 1225 #N/A #N/A 2962 952  Use Ratio (p	2014 952 1756 608 1148 1296 #N/A #N/A 3047 957 Dercent) 2014 35.51 31.42	2015 957 1771 614 1157 1348 #N/A 3114 962 2015 35.63 30.91	2016 962 1787 620 1168 1410 #N/A 3192 968 2016 35.88 30.32	2017 968 1805 626 1179 1462 #N/A #N/A 3262 973 2017 36.04 29.83	2018 973 1824 632 1192 1522 #N/A #N/A 3341 978 2018 36.30 29.28	2019 978 1844 638 1206 1581 #N/A 3419 984 2019 36.55 28.77
Egypt - Sugar Supply and Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports Consumption Carry-out Stocks  Egypt - Per Capita Sugar Per Capita Consumption Stocks/Consumption European Union - Sugar	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009 34.92 34.41  r Quota (10 2009 #N/A	12.75 8.60  m (1000 me 2010 936 1722 595 1127 1043 #N/A 2762 940  ption (kilogr 2010 34.75 34.02	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A 2801 943  eams) and \$ 2011 34.55 33.68  ons, white 2011 #N/A	12.75 8.60  aw value) 2012 943 1733 599 1134 1183 #N/A 2911 948  Stocks to L 2012 35.22 32.56  sugar equi 2012 #N/A	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952 Jse Ratio (g 2013 35.17 32.15	2014 952 1756 608 1148 1296 #N/A 3047 957 Dercent) 2014 35.51 31.42	2015 957 1771 614 1157 1348 #N/A 3114 962 2015 35.63 30.91	2016 962 1787 620 1168 1410 #N/A 3192 968 2016 35.88 30.32	2017 968 1805 626 1179 1462 #N/A 3262 973 2017 36.04 29.83	2018 973 1824 632 1192 1522 #N/A 3341 978 2018 36.30 29.28	2019 978 1844 638 1206 1581 #N/A 3419 984 2019 36.55 28.77
Egypt - Sugar Supply and Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports Exports Imports Consumption Carry-out Stocks  Egypt - Per Capita Sugar Per Capita Consumption Stocks/Consumption European Union - Sugar  A-Quota B-Quota	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009 34.92 34.41  ar Quota (10) 2009 #N/A #N/A	12.75 8.60  n (1000 me 2010 936 1722 595 1127 1043 #N/A 2762 940  otion (kilogr 2010 34.75 34.02  oo metric t 2010 #N/A #N/A	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A 2801 943  eams) and \$ 2011 34.55 33.68  ons, white 2011 #N/A #N/A	12.75 8.60  aw value) 2012 943 1733 599 1134 1183 #N/A 2911 948  Stocks to L 2012 35.22 32.56  sugar equi 2012 #N/A #N/A	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952 Jse Ratio (p 2013 35.17 32.15	2014 952 1756 608 1148 1296 #N/A 3047 957 Dercent) 2014 35.51 31.42	2015 957 1771 614 1157 1348 #N/A 3114 962 2015 35.63 30.91 2015 #N/A #N/A	2016 962 1787 620 1168 1410 #N/A 3192 968 2016 35.88 30.32 2016 #N/A #N/A	2017 968 1805 626 1179 1462 #N/A #N/A 3262 973 2017 36.04 29.83	2018 973 1824 632 1192 1522 #N/A 3341 978 2018 36.30 29.28 2018 #N/A #N/A	2019 978 1844 638 1206 1581 #N/A 3419 984 2019 36.55 28.77
Egypt - Sugar Supply an  Carry-in Stocks  Production  Beet Sugar  Cane Sugar  Net Imports  Exports  Imports  Consumption  Carry-out Stocks  Egypt - Per Capita Sugar	12.75 8.60  and Utilization 2009 746 1750 600 1150 1050 250 1410 2720 936  ar Consump 2009 34.92 34.41  r Quota (10 2009 #N/A	12.75 8.60  m (1000 me 2010 936 1722 595 1127 1043 #N/A 2762 940  ption (kilogr 2010 34.75 34.02	12.75 8.60  etric tons, r. 2011 940 1726 596 1130 1078 #N/A 2801 943  eams) and \$ 2011 34.55 33.68  ons, white 2011 #N/A	12.75 8.60  aw value) 2012 943 1733 599 1134 1183 #N/A 2911 948  Stocks to L 2012 35.22 32.56  sugar equi 2012 #N/A	2013 948 1742 602 1140 1225 #N/A #N/A 2962 952 Jse Ratio (g 2013 35.17 32.15	2014 952 1756 608 1148 1296 #N/A 3047 957 Dercent) 2014 35.51 31.42	2015 957 1771 614 1157 1348 #N/A 3114 962 2015 35.63 30.91	2016 962 1787 620 1168 1410 #N/A 3192 968 2016 35.88 30.32	2017 968 1805 626 1179 1462 #N/A 3262 973 2017 36.04 29.83	2018 973 1824 632 1192 1522 #N/A 3341 978 2018 36.30 29.28	2019 978 1844 638 1206 1581 #N/A 3419 984 2019 36.55 28.77

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Area Harvested	1770	1716	1702	1695	1692	1690	1688	1686	1684	1682	1680
Yield	56.00	55.82	55.86	55.97	56.11	56.26	56.41	56.56	56.72	56.87	57.02
Production	99120	95764	95058	94878	94952	95077	95214	95354	95493	95641	9578
	F. stua ati a	Datas (sa									
European Union - Suga	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	15.04	15.04	15.04	15.04	15.04	15.04	15.04	15.04	15.04	15.04	15.04
ougu. 20010											
European Union - Suga			,	-							
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	2175	3185	3126	3139	3148	3157	3163	3165	3176	3187	3198
Production	15200	14693	14587	14560	14571	14590	14610	14631	14652	14674	1469
Net Exports	-2025	-1490	-1801	-1919	-2002	-2036	-2030	-2142	-2242	-2339	-243
Exports	1475	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	3500	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	16500	16242	16374	16469	16563	16620	16638	16761	16883	17003	1712
Carry-out Stocks	3185	3126	3139	3148	3157	3163	3165	3176	3187	3198	3209
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita	AE OF	4E 00	1E 11	AE GA	1E 07	46 O4	46.04	16 27	46 <b>7</b> 0	47.00	47.0
Consumption Stocks/Consumption	45.85 19.30	45.09 19.25	45.41 19.17	45.64 19.11	45.87 19.06	46.01 19.03	46.04 19.02	46.37 18.95	46.70 18.88	47.03 18.81	47.3°
India - Sugar Supply an	2009	2010	2011	2012	2013	2014	2015	2016	0047		
						2017	2010	2010	2017	2018	2019
Carry-in Stocks	3690	3480	3347	3386	3457	3507	3558	3614	3673	2018 3731	
•	3690 17300	3480 17790	3347 18132	3386 18497	3457 18887						3787
Production						3507	3558	3614	3673	3731	3787 2132
Production	17300	17790	18132	18497	18887	3507 19289	3558 19693	3614 20099	3673 20506	3731 20915	2019 3787 2132 -544 #N/A
Carry-in Stocks Production Net Exports Exports Imports	17300 -5990	17790 -5919	18132 -6081	18497 -6079	18887 -5993	3507 19289 -5916	3558 19693 -5835	3614 20099 -5748	3673 20506 -5653	3731 20915 -5553	3787 2132 -544 #N/A
Production Net Exports Exports Imports	17300 -5990 10	17790 -5919 #N/A	18132 -6081 #N/A	18497 -6079 #N/A	18887 -5993 #N/A	3507 19289 -5916 #N/A	3558 19693 -5835 #N/A	3614 20099 -5748 #N/A	3673 20506 -5653 #N/A	3731 20915 -5553 #N/A	3787 2132 -544 #N/A #N/A
Production Net Exports Exports Imports Consumption	17300 -5990 10 6000	17790 -5919 #N/A #N/A	18132 -6081 #N/A #N/A	18497 -6079 #N/A #N/A	18887 -5993 #N/A #N/A	3507 19289 -5916 #N/A #N/A	3558 19693 -5835 #N/A #N/A	3614 20099 -5748 #N/A #N/A	3673 20506 -5653 #N/A #N/A	3731 20915 -5553 #N/A #N/A	3787 2132 -544 #N/A #N/A 2671
Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	17300 -5990 10 6000 23500 3480	17790 -5919 #N/A #N/A 23842 3347	18132 -6081 #N/A #N/A 24175 3386	18497 -6079 #N/A #N/A 24504 3457	18887 -5993 #N/A #N/A 24831 3507	3507 19289 -5916 #N/A #N/A 25153 3558	3558 19693 -5835 #N/A #N/A 25472	3614 20099 -5748 #N/A #N/A 25788	3673 20506 -5653 #N/A #N/A 26101	3731 20915 -5553 #N/A #N/A 26412	3787 2132 -544
Production Net Exports Exports Imports Consumption Carry-out Stocks	17300 -5990 10 6000 23500 3480	17790 -5919 #N/A #N/A 23842 3347	18132 -6081 #N/A #N/A 24175 3386	18497 -6079 #N/A #N/A 24504 3457	18887 -5993 #N/A #N/A 24831 3507	3507 19289 -5916 #N/A #N/A 25153 3558	3558 19693 -5835 #N/A #N/A 25472	3614 20099 -5748 #N/A #N/A 25788	3673 20506 -5653 #N/A #N/A 26101	3731 20915 -5553 #N/A #N/A 26412	3787 2132 -544 #N/A #N/A 2671 3840
Production  Net Exports Exports Imports Consumption Carry-out Stocks  India - Per Capita Suga Per Capita	17300 -5990 10 6000 23500 3480 rr Consumpti 2009	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra	18132 -6081 #N/A #N/A 24175 3386 ams) and S	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p	3507 19289 -5916 #N/A #N/A 25153 3558	3558 19693 -5835 #N/A #N/A 25472 3614	3614 20099 -5748 #N/A #N/A 25788 3673	3673 20506 -5653 #N/A #N/A 26101 3731	3731 20915 -5553 #N/A #N/A 26412 3787	3787 2132 -544 #N/A 2671 3840
Production Net Exports Exports Imports Consumption Carry-out Stocks India - Per Capita Suga Per Capita Consumption	17300 -5990 10 6000 23500 3480 r Consumpt 2009	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08	3507 19289 -5916 #N/A #N/A 25153 3558 ercent) 2014	3558 19693 -5835 #N/A #N/A 25472 3614 2015	3614 20099 -5748 #N/A #N/A 25788 3673	3673 20506 -5653 #N/A #N/A 26101 3731 2017	3731 20915 -5553 #N/A #N/A 26412 3787 2018	3787 2132 -544 #N/A 2671 3840
Production Net Exports Exports Imports Consumption Carry-out Stocks India - Per Capita Suga Per Capita Consumption	17300 -5990 10 6000 23500 3480 rr Consumpti 2009	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra	18132 -6081 #N/A #N/A 24175 3386 ams) and S	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p	3507 19289 -5916 #N/A #N/A 25153 3558	3558 19693 -5835 #N/A #N/A 25472 3614	3614 20099 -5748 #N/A #N/A 25788 3673	3673 20506 -5653 #N/A #N/A 26101 3731	3731 20915 -5553 #N/A #N/A 26412 3787	3787 2132 -544 #N/A 2671 3840
Production Net Exports Exports Imports Consumption Carry-out Stocks India - Per Capita Suga Per Capita Consumption	17300 -5990 10 6000 23500 3480 r Consumpt 2009	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08	3507 19289 -5916 #N/A #N/A 25153 3558 ercent) 2014	3558 19693 -5835 #N/A #N/A 25472 3614 2015	3614 20099 -5748 #N/A #N/A 25788 3673	3673 20506 -5653 #N/A #N/A 26101 3731 2017	3731 20915 -5553 #N/A #N/A 26412 3787 2018	3787 2132 -544 #N/A 2671 3840 2019 19.1 14.3
Production Net Exports Exports Imports Consumption Carry-out Stocks India - Per Capita Suga Per Capita Consumption Stocks/Consumption	17300 -5990 10 6000 23500 3480 r Consumpt 2009 19.05 14.81	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010 19.06 14.04	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011 19.07 14.01	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07 14.11	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08 14.12	3507 19289 -5916 #N/A 25153 3558 eercent) 2014 19.08 14.15	3558 19693 -5835 #N/A 25472 3614 2015 19.09 14.19	3614 20099 -5748 #N/A 25788 3673 2016 19.09 14.24	3673 20506 -5653 #N/A 26101 3731 2017 19.10 14.29	3731 20915 -5553 #N/A 26412 3787 2018 19.10 14.34	3787 2132 -544 #N/A #N/A 2671
Production Net Exports Exports Imports Consumption Carry-out Stocks India - Per Capita Suga Per Capita Consumption Stocks/Consumption	17300 -5990 10 6000 23500 3480 r Consumpt 2009 19.05 14.81	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010 19.06 14.04	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011 19.07 14.01	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07 14.11	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08 14.12	3507 19289 -5916 #N/A 25153 3558 eercent) 2014 19.08 14.15	3558 19693 -5835 #N/A 25472 3614 2015 19.09 14.19	3614 20099 -5748 #N/A 25788 3673 2016 19.09 14.24 2016 531	3673 20506 -5653 #N/A 26101 3731 2017 19.10 14.29	3731 20915 -5553 #N/A 26412 3787 2018 19.10 14.34 2018 535	3787 2132 -544 #N/A 2671 3840 2019 19.1 14.3
Production Net Exports Exports	17300 -5990 10 6000 23500 3480 r Consumpt 2009 19.05 14.81	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010 19.06 14.04 2010 530 69.02	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011 19.07 14.01	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07 14.11 2012 529 70.02	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08 14.12 2013 528 70.52	3507 19289 -5916 #N/A 25153 3558 eercent) 2014 19.08 14.15 2014 529 71.02	3558 19693 -5835 #N/A 25472 3614 2015 19.09 14.19 2015 530 71.52	3614 20099 -5748 #N/A 25788 3673 2016 19.09 14.24 2016 531 72.02	3673 20506 -5653 #N/A 26101 3731 2017 19.10 14.29 2017 533 72.52	3731 20915 -5553 #N/A 26412 3787 2018 19.10 14.34	2019 2019 2019 2019 337 73.5
Production Net Exports Exports Imports Consumption Carry-out Stocks  India - Per Capita Suga Per Capita Consumption Stocks/Consumption  Area Harvested Yield	17300 -5990 10 6000 23500 3480 r Consumpt 2009 19.05 14.81	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010 19.06 14.04	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011 19.07 14.01	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07 14.11	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08 14.12	3507 19289 -5916 #N/A 25153 3558 eercent) 2014 19.08 14.15	3558 19693 -5835 #N/A 25472 3614 2015 19.09 14.19	3614 20099 -5748 #N/A 25788 3673 2016 19.09 14.24 2016 531	3673 20506 -5653 #N/A 26101 3731 2017 19.10 14.29	3731 20915 -5553 #N/A 26412 3787 2018 19.10 14.34 2018 535 73.02	2019 2019 2019 2019 337 73.5
Production Net Exports Exports Imports Consumption Carry-out Stocks  India - Per Capita Suga Per Capita Consumption Stocks/Consumption  Area Harvested Yield Production	17300 -5990 10 6000 23500 3480  r Consumpt 2009 19.05 14.81  2009 530 69.00 36570	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010 19.06 14.04 2010 530 69.02 36596	18132 -6081 #N/A 24175 3386 2011 19.07 14.01 2011 529 69.52 36810	18497 -6079 #N/A #N/A 24504 3457  Stocks to U 2012 19.07 14.11  2012 529 70.02 37035	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08 14.12 2013 528 70.52 37258	3507 19289 -5916 #N/A 25153 3558 eercent) 2014 19.08 14.15 2014 529 71.02 37565	3558 19693 -5835 #N/A 25472 3614 2015 19.09 14.19 2015 530 71.52 37906	3614 20099 -5748 #N/A 25788 3673 2016 19.09 14.24 2016 531 72.02 38271	3673 20506 -5653 #N/A 26101 3731 2017 19.10 14.29 2017 533 72.52 38653	3731 20915 -5553 #N/A 26412 3787 2018 19.10 14.34 2018 535 73.02 39047	2019 19.1 14.3 2019 2019 3840
Production Net Exports Exports Imports Consumption Carry-out Stocks  India - Per Capita Suga Per Capita Consumption Stocks/Consumption  Area Harvested Yield	17300 -5990 10 6000 23500 3480 r Consumpt 2009 19.05 14.81 2009 530 69.00 36570	17790 -5919 #N/A #N/A 23842 3347 tion (kilogra 2010 19.06 14.04 2010 530 69.02	18132 -6081 #N/A #N/A 24175 3386 ams) and S 2011 19.07 14.01	18497 -6079 #N/A #N/A 24504 3457 Stocks to U 2012 19.07 14.11 2012 529 70.02	18887 -5993 #N/A #N/A 24831 3507 se Ratio (p 2013 19.08 14.12 2013 528 70.52	3507 19289 -5916 #N/A 25153 3558 eercent) 2014 19.08 14.15 2014 529 71.02	3558 19693 -5835 #N/A 25472 3614 2015 19.09 14.19 2015 530 71.52	3614 20099 -5748 #N/A 25788 3673 2016 19.09 14.24 2016 531 72.02	3673 20506 -5653 #N/A 26101 3731 2017 19.10 14.29 2017 533 72.52	3731 20915 -5553 #N/A 26412 3787 2018 19.10 14.34 2018 535 73.02	3787 2132 -544 #N/A 2671 3840 2019 19.1 14.3

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	340	400	395	396	397	397	396	396	395	395	395
Production	2960	2928	2945	2963	2981	3005	3032	3062	3092	3124	3156
Net Imports	1500	1530	1568	1599	1627	1649	1668	1683	1697	1709	1720
Exports	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	1500	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	4400	4463	4512	4561	4608	4655	4700	4745	4790	4833	4876
Carry-out Stocks	400	395	396	397	397	396	396	395	395	395	394
Jan., 194, 1950.10											00.
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita Consumption	18.54	18.59	18.60	18.60	18.60	18.60	18.60	18.61	18.61	18.61	18.6°
Stocks/Consumption	9.09	8.86	8.78	8.71	8.61	8.51	8.42	8.33	8.25	8.16	8.08
Japan - Area Harvested	l (1000 hec	tares)									
,	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	83	82	81	80	79	79	78	77	75	74	73
Sugarcane	18	17	17	17	17	17	16	16	16	16	15
Total Area	101	99	98	97	96	95	94	93	91	90	88
•	52.00 59.00	52.20 60.65	52.49 60.56	52.83 60.62	53.19 60.66	53.55 60.70	53.92 60.75	54.30 60.79	54.67 60.83	55.05 60.88	
-	52.00 59.00	52.20 60.65	52.49 60.56	52.83 60.62	53.19 60.66	53.55 60.70	53.92 60.75	54.30 60.79	54.67 60.83	55.05 60.88	
Sugarcane	59.00	60.65									
Sugarcane	59.00	60.65									60.9
Sugarcane Japan - Production (100	59.00 00 metric to	60.65 ons)	60.56	60.62	60.66	60.70	60.75	60.79	60.83	60.88	2019
Sugarcane  Japan - Production (100  Sugar Beets	59.00 00 metric to 2009	60.65 ons) 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugarcane  Japan - Production (100  Sugar Beets  Sugarcane	59.00  00 metric to 2009 4316 1062  In Rates (p.	60.65  2010 4275 1012  ercent)	2011 4252 1011	2012 4240 1013	2013 4224 1010	2014 4204 1004	2015 4183 996	2016 4156 986	2017 4123 974	2018 4084 959	
Sugarcane  Japan - Production (100  Sugar Beets  Sugarcane  Japan - Sugar Extractio	59.00  00 metric to 2009  4316 1062  In Rates (pr 2009	60.65  2010 4275 1012  ercent) 2010	2011 4252 1011 2011	2012 4240 1013 2012	2013 4224 1010 2013	2014 4204 1004 2014	2015 4183 996	2016 4156 986 2016	2017 4123 974 2017	2018 4084 959 2018	2019 4040 943
Sugarcane  Japan - Production (100  Sugar Beets  Sugarcane  Japan - Sugar Extractio  Sugar Beets	59.00  00 metric to 2009 4316 1062  on Rates (po 2009 18.94	60.65  2010 4275 1012  ercent) 2010 18.94	2011 4252 1011 2011 18.94	2012 4240 1013 2012 18.94	2013 4224 1010 2013 18.94	2014 4204 1004 2014 18.94	2015 4183 996 2015 18.94	2016 4156 986 2016 18.94	2017 4123 974 2017 18.94	2018 4084 959 2018 18.94	2019 4040 943 2019 18.9
Sugarcane  Japan - Production (100  Sugar Beets  Sugarcane  Japan - Sugar Extractio  Sugar Beets  Sugar Beets  Sugar Cane	59.00  00 metric to 2009  4316 1062  n Rates (p) 2009 18.94 12.13	ercent) 2010 18.94 12.13 2010 1000 m	2011 4252 1011 2011 18.94 12.13	2012 4240 1013 2012 18.94 12.13	2013 4224 1010 2013 18.94 12.13	2014 4204 1004 2014 18.94 12.13	2015 4183 996 2015 18.94 12.13	2016 4156 986 2016 18.94 12.13	2017 4123 974 2017 18.94 12.13	2018 4084 959 2018 18.94 12.13	2019 4040 943 2019 18.9 12.1
Sugarcane  Japan - Production (100  Sugar Beets  Sugarcane  Japan - Sugar Extractio  Sugar Beets  Sugarcane  Japan - Sugar Supply a	59.00  00 metric to 2009  4316 1062  n Rates (pr 2009 18.94 12.13  nd Utilizatio 2009	ercent) 2010 18.94 12.13 2010 1000 m 2010	2011 4252 1011 18.94 12.13	2012 4240 1013 2012 18.94 12.13 raw value) 2012	2013 4224 1010 2013 18.94 12.13	2014 4204 1004 2014 18.94 12.13	2015 4183 996 2015 18.94 12.13	2016 4156 986 2016 18.94 12.13	2017 4123 974 2017 18.94 12.13	2018 4084 959 2018 18.94 12.13	2019 4040 943 2019 18.9 12.1
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks	59.00  00 metric to 2009 4316 1062  In Rates (pr 2009 18.94 12.13  Ind Utilizatio 2009 414	ercent) 2010 18.94 12.13 2010 446	2011 4252 1011 2011 18.94 12.13 etric tons, 2011 441	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439	2013 4224 1010 2013 18.94 12.13 2013 439	2014 4204 1004 2014 18.94 12.13	2015 4183 996 2015 18.94 12.13	2016 4156 986 2016 18.94 12.13	2017 4123 974 2017 18.94 12.13	2018 4084 959 2018 18.94 12.13 2018 442	2019 4040 943 2019 18.9 12.1
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks  Production	00 metric to 2009 4316 1062 on Rates (pr 2009 18.94 12.13 and Utilization 2009 414 939	ercent) 2010 18.94 12.13 2010 446 932	2011 4252 1011 2011 18.94 12.13 etric tons, 2011 441 928	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926	2013 4224 1010 2013 18.94 12.13 2013 439 922	2014 4204 1004 2014 18.94 12.13 2014 439 918	2015 4183 996 2015 18.94 12.13 2015 440 913	2016 4156 986 2016 18.94 12.13 2016 441 907	2017 4123 974 2017 18.94 12.13 2017 441 899	2018 4084 959 2018 18.94 12.13 2018 442 890	2019 4040 943 2019 18.9 12.1 2019 443 880
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks  Production  Beet Sugar	00 metric to 2009 4316 1062 In Rates (pr 2009 18.94 12.13 Ind Utilization 2009 414 939 819	ercent) 2010 4275 1012  ercent) 2010 18.94 12.13  on (1000 m 2010 446 932 810	2011 4252 1011 2011 18.94 12.13 etric tons, 2011 441 928 805	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926 803	2013 4224 1010 2013 18.94 12.13 2013 439 922 800	2014 4204 1004 2014 18.94 12.13 2014 439 918 796	2015 4183 996 2015 18.94 12.13 2015 440 913 792	2016 4156 986 2016 18.94 12.13 2016 441 907 787	2017 4123 974 2017 18.94 12.13 2017 441 899 781	2018 4084 959 2018 18.94 12.13 2018 442 890 774	2019 4040 943 2019 18.9 12.1 2019 443 880 765
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks  Production	00 metric to 2009 4316 1062 on Rates (pr 2009 18.94 12.13 and Utilization 2009 414 939	ercent) 2010 4275 1012  ercent) 2010 18.94 12.13  on (1000 m 2010 446 932 810 123	2011 4252 1011 2011 18.94 12.13 etric tons, 2011 441 928	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926 803 123	2013 4224 1010 2013 18.94 12.13 2013 439 922 800 122	2014 4204 1004 2014 18.94 12.13 2014 439 918	2015 4183 996 2015 18.94 12.13 2015 440 913 792 121	2016 4156 986 2016 18.94 12.13 2016 441 907	2017 4123 974 2017 18.94 12.13 2017 441 899	2018 4084 959 2018 18.94 12.13 2018 442 890	2019 4040 943 2019 18.9 12.1 2019 443 880 765 114
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks  Production  Beet Sugar  Cane Sugar	00 metric to 2009 4316 1062 In Rates (pr 2009 18.94 12.13 Ind Utilization 2009 414 939 819	ercent) 2010 4275 1012  ercent) 2010 18.94 12.13  on (1000 m 2010 446 932 810	2011 4252 1011 2011 18.94 12.13 etric tons, 2011 441 928 805	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926 803	2013 4224 1010 2013 18.94 12.13 2013 439 922 800	2014 4204 1004 2014 18.94 12.13 2014 439 918 796	2015 4183 996 2015 18.94 12.13 2015 440 913 792	2016 4156 986 2016 18.94 12.13 2016 441 907 787	2017 4123 974 2017 18.94 12.13 2017 441 899 781	2018 4084 959 2018 18.94 12.13 2018 442 890 774	2019 4040 943 2019 18.9 12.1 2019 443 880 765 114
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks Production Beet Sugar Cane Sugar	59.00  00 metric to 2009 4316 1062  on Rates (po 2009 18.94 12.13  ond Utilizatio 2009 414 939 819 120	ercent) 2010 4275 1012  ercent) 2010 18.94 12.13  on (1000 m 2010 446 932 810 123	2011 4252 1011 18.94 12.13 etric tons, 2011 441 928 805 123	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926 803 123	2013 4224 1010 2013 18.94 12.13 2013 439 922 800 122	2014 4204 1004 2014 18.94 12.13 2014 439 918 796 122	2015 4183 996 2015 18.94 12.13 2015 440 913 792 121	2016 4156 986 2016 18.94 12.13 2016 441 907 787 120	2017 4123 974 2017 18.94 12.13 2017 441 899 781 118	2018 4084 959 2018 18.94 12.13 2018 442 890 774 116	2019 4040 943 2019 18.9 12.1 2019 443 880 765 114 138
Sugarcane  Japan - Production (100  Sugar Beets Sugarcane  Japan - Sugar Extractio  Sugar Beets Sugarcane  Japan - Sugar Supply a  Carry-in Stocks Production Beet Sugar Cane Sugar Net Imports	59.00  00 metric to 2009  4316 1062  on Rates (po 2009 18.94 12.13  ond Utilizatio 2009 414 939 819 120 1313	ercent) 2010 4275 1012  ercent) 2010 18.94 12.13  on (1000 m 2010 446 932 810 123 1274	2011 4252 1011 18.94 12.13 etric tons, 2011 441 928 805 123 1264	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926 803 123 1271	2013 4224 1010 2013 18.94 12.13 2013 439 922 800 122 1280	2014 4204 1004 2014 18.94 12.13 2014 439 918 796 122 1289	2015 4183 996 2015 18.94 12.13 2015 440 913 792 121 1302	2016 4156 986 2016 18.94 12.13 2016 441 907 787 120 1318	2017 4123 974 2017 18.94 12.13 2017 441 899 781 118 1336	2018 4084 959 2018 18.94 12.13 2018 442 890 774 116 1358	2019 4040 943 2019 18.9 12.1 2019 443 880 765 114 1381 #N/A
Cane Sugar Net Imports Exports	59.00  00 metric to 2009  4316 1062  on Rates (po 2009 18.94 12.13  ond Utilizatio 2009 414 939 819 120 1313 0	ercent) 2010 4275 1012  ercent) 2010 18.94 12.13  on (1000 m 2010 446 932 810 123 1274 #N/A	2011 4252 1011 18.94 12.13 etric tons, 2011 441 928 805 123 1264 #N/A	2012 4240 1013 2012 18.94 12.13 raw value) 2012 439 926 803 123 1271 #N/A	2013 4224 1010 2013 18.94 12.13 2013 439 922 800 122 1280 #N/A	2014 4204 1004 2014 18.94 12.13 2014 439 918 796 122 1289 #N/A	2015 4183 996 2015 18.94 12.13 2015 440 913 792 121 1302 #N/A	2016 4156 986 2016 18.94 12.13 2016 441 907 787 120 1318 #N/A	2017 4123 974 2017 18.94 12.13 2017 441 899 781 118 1336 #N/A	2018 4084 959 2018 18.94 12.13 2018 442 890 774 116 1358 #N/A	2019 4040 943 2019 18.9 12.1 2019 443 880 765

Japan - Per Capita Sug	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita	2000	2010	2011	2012	2010	2017	2010	2010	2017	2010	2010
Consumption	17.52	17.48	17.39	17.47	17.57	17.67	17.80	17.96	18.13	18.32	18.53
Stocks/Consumption	20.09	19.96	20.03	19.98	19.96	19.94	19.90	19.85	19.78	19.70	19.6
otocks/ oonsamption	20.03	15.50	20.00	13.30	13.30	13.54	13.50	10.00	13.70	13.70	13.0
Korea - Sugar Supply a					2042	204.4	2045	2046	2047	204.0	2040
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	184	164	166	174	182	191	200	209	217	225	233
Net Imports	1260	1149	1159	1171	1177	1186	1196	1208	1222	1239	1258
Exports	340	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/ <i>P</i>
Imports	1600	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/ <i>P</i>
Consumption	1155	1147	1152	1163	1169	1177	1187	1199	1214	1231	1251
Carry-out Stocks	164	166	174	182	191	200	209	217	225	233	241
Korea - Per Capita Sug	ar Consum	ption (kilog	rams) and	Stocks to I	Jse Ratio (	percent)					
Por Conito	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita Consumption	23.38	23.15	23.19	23.37	23.43	23.55	23.72	23.94	24.21	24.53	24.9
Stocks/Consumption											
Stocks/Consumption	14.20	14.50	15.10	15.67	16.35	17.00	17.60	18.13	18.56	18.94	19.2
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Area Harvested	301	302	304	306	309	312	315	317	319	319	320
					74.70	74.04	70.00	70.04	72.36	72.51	72.5
Yield	71.30	71.31	71.46	71.61	71.76	71.91	72.06	72.21	12.30	72.51	12.5
Production	21461	21538	21691	71.61 21900	71.76 22144	22408	22685	22900	23077	23160	
Production	21461	21538	21691								2322
Production South Africa - Sugar Ex	21461 ctraction Ra	21538 tes (percer	21691 nt)	21900	22144	22408	22685	22900	23077	23160	2322
Production  South Africa - Sugar Ex	21461 traction Ra 2009 11.07	21538 tes (percer 2010 11.07	21691 nt) 2011 11.07	21900 2012 11.07	22144 2013 11.07	22408	22685	22900	23077	23160	2322
Production  South Africa - Sugar Ex  Sugarcane  South Africa - Sugar Su	21461  straction Ra 2009 11.07  upply and U 2009	21538  tes (percer 2010 11.07  tilization (1 2010	21691  2011  11.07  000 metric 2011	21900 2012 11.07	22144 2013 11.07	22408	22685	22900	23077	23160	2019
Production  South Africa - Sugar Ex  Sugarcane  South Africa - Sugar Su	21461 straction Ra 2009 11.07 upply and U	21538 tes (percer 2010 11.07 tilization (1	21691  nt)  2011  11.07  000 metric	21900 2012 11.07 tons, raw	22144 2013 11.07	22408 2014 11.07	22685 2015 11.07	22900 2016 11.07	23077 2017 11.07	23160 2018 11.07	2019 11.0
Production  South Africa - Sugar Ex  Sugarcane  South Africa - Sugar Su  Carry-in Stocks	21461  straction Ra 2009 11.07  upply and U 2009	21538  tes (percer 2010 11.07  tilization (1 2010	21691  2011  11.07  000 metric 2011	21900 2012 11.07 tons, raw 2012	2013 11.07 value) 2013	22408 2014 11.07	2015 11.07	22900 2016 11.07	23077 2017 11.07	2018 11.07	2019 11.0 2019 107
South Africa - Sugar Ex Sugarcane South Africa - Sugar Su Carry-in Stocks Production	21461  straction Ra 2009 11.07  upply and U 2009 97	21538  tes (percer 2010 11.07  tillization (1 2010 92	21691  2011  11.07  000 metric  2011  93	21900 2012 11.07 tons, raw 2012 94	22144  2013 11.07  value) 2013 96	22408 2014 11.07 2014 98	2015 11.07 2015 100	22900 2016 11.07 2016 101	23077 2017 11.07 2017 104	23160 2018 11.07 2018 105	2019 11.0
South Africa - Sugar Ex Sugarcane South Africa - Sugar Su Carry-in Stocks Production	21461  straction Ra 2009 11.07  upply and U 2009 97 2380	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384	21691  2011  11.07  000 metric  2011  93  2401	21900  2012  11.07  tons, raw 1  2012  94  2424	22144  2013 11.07  value) 2013 96 2451	2014 11.07 2014 98 2481	2015 11.07 2015 100 2511	2016 11.07 2016 101 2535	2017 11.07 2017 104 2555	2018 11.07 2018 105 2564	2019 11.0 2019 107 2571
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384 696 #N/A	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A	21900 2012 11.07 tons, raw to 2012 94 2424 739 #N/A	22144 2013 11.07 value) 2013 96 2451 768 #N/A	2014 11.07 2014 98 2481 797 #N/A	2015 11.07 2015 100 2511 828 #N/A	2016 11.07 2016 101 2535 848 #N/A	2017 11.07 2017 104 2555 871 #N/A	2018 11.07 2018 105 2564 876 #N/A	2019 11.0 2019 107 257 880 #N/#
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384 696 #N/A #N/A	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A	2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A	2014 11.07 2014 98 2481 797 #N/A #N/A	2015 11.07 2015 100 2511 828 #N/A #N/A	2016 11.07 2016 101 2535 848 #N/A #N/A	2017 11.07 2017 104 2555 871 #N/A #N/A	2018 11.07 2018 105 2564 876 #N/A #N/A	2019 11.0 2019 107 257 880 #N// #N//
Imports Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384 696 #N/A #N/A 1687	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A  1685	21900 2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A 1683	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682	2014 11.07 2014 98 2481 797 #N/A #N/A 1682	2015 11.07 2015 100 2511 828 #N/A #N/A 1682	2016 11.07 2016 101 2535 848 #N/A #N/A 1684	2017 11.07 2017 104 2555 871 #N/A #N/A 1683	2018 11.07 2018 105 2564 876 #N/A #N/A 1686	2019 11.0 2019 107 2571 880 #N// #N// 1689
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384 696 #N/A #N/A	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A	2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A	2014 11.07 2014 98 2481 797 #N/A #N/A	2015 11.07 2015 100 2511 828 #N/A #N/A	2016 11.07 2016 101 2535 848 #N/A #N/A	2017 11.07 2017 104 2555 871 #N/A #N/A	2018 11.07 2018 105 2564 876 #N/A #N/A	2019 11.0 2019 107 2571 880 #N// #N//
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384 696 #N/A #N/A 1687	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A  1685	21900 2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A 1683	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682	2014 11.07 2014 98 2481 797 #N/A #N/A 1682	2015 11.07 2015 100 2511 828 #N/A #N/A 1682	2016 11.07 2016 101 2535 848 #N/A #N/A 1684	2017 11.07 2017 104 2555 871 #N/A #N/A 1683	2018 11.07 2018 105 2564 876 #N/A #N/A 1686	2019 11.0 2019 107 257 880 #N/A 1689 109
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92	21538  tes (percer 2010 11.07  tillization (1 2010 92 2384 696 #N/A #N/A 1687 93	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A  1685  94	21900  2012  11.07  tons, raw 2012  94 2424  739 #N/A #N/A 1683 96	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682 98	2014 11.07 2014 98 2481 797 #N/A 1682 100	2015 11.07 2015 100 2511 828 #N/A #N/A 1682 101	2016 11.07 2016 101 2535 848 #N/A #N/A 1684 104	2017 11.07 2017 104 2555 871 #N/A 1683 105	2018 11.07 2018 105 2564 876 #N/A 1686 107	2019 11.0 2019 107 2571 880 #N/A 1689 109
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Per Capita  Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92  2009 37.25	21538  tes (percer 2010 11.07  tillization (1 2010 92 2384 696 #N/A #N/A 1687 93  2010 37.38	21691  2011 11.07  000 metric 2011 93 2401 715 #N/A #N/A 1685 94  2011 37.40	2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A 1683 96	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682 98  2013 37.65	2014 11.07 2014 98 2481 797 #N/A #N/A 1682 100	2015 11.07 2015 100 2511 828 #N/A #N/A 1682 101 2015 37.88	2016 11.07 2016 101 2535 848 #N/A #N/A 1684 104	2017 11.07 2017 104 2555 871 #N/A 1683 105	2018 11.07 2018 105 2564 876 #N/A 1686 107	2019 11.0 2019 107 2571 880 #N/A 1689 109
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92	21538  tes (percer 2010 11.07  tillization (1 2010 92 2384 696 #N/A #N/A 1687 93	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A  1685  94	21900  2012  11.07  tons, raw 2012  94 2424  739 #N/A #N/A 1683 96	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682 98	2014 11.07 2014 98 2481 797 #N/A 1682 100	2015 11.07 2015 100 2511 828 #N/A #N/A 1682 101	2016 11.07 2016 101 2535 848 #N/A #N/A 1684 104	2017 11.07 2017 104 2555 871 #N/A 1683 105	2018 11.07 2018 105 2564 876 #N/A 1686 107	2019 11.0 2019 107 2571 880 #N/A 1689 109
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Per Capita  Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92  2009 37.25	21538  tes (percer 2010 11.07  tillization (1 2010 92 2384 696 #N/A #N/A 1687 93  2010 37.38	21691  2011 11.07  000 metric 2011 93 2401 715 #N/A #N/A 1685 94  2011 37.40	2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A 1683 96	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682 98  2013 37.65	2014 11.07 2014 98 2481 797 #N/A #N/A 1682 100	2015 11.07 2015 100 2511 828 #N/A #N/A 1682 101 2015 37.88	2016 11.07 2016 101 2535 848 #N/A #N/A 1684 104	2017 11.07 2017 104 2555 871 #N/A 1683 105	2018 11.07 2018 105 2564 876 #N/A 1686 107	2019 11.0 2019 107 257 880 #N/# 1689 109
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Per Capita  Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92  2009 37.25	21538  tes (percer 2010 11.07  tillization (1 2010 92 2384 696 #N/A #N/A 1687 93  2010 37.38	21691  2011 11.07  000 metric 2011 93 2401 715 #N/A #N/A 1685 94  2011 37.40	2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A 1683 96	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682 98  2013 37.65	2014 11.07 2014 98 2481 797 #N/A #N/A 1682 100	2015 11.07 2015 100 2511 828 #N/A #N/A 1682 101 2015 37.88	2016 11.07 2016 101 2535 848 #N/A #N/A 1684 104	2017 11.07 2017 104 2555 871 #N/A 1683 105	2018 11.07 2018 105 2564 876 #N/A 1686 107	2019 11.0 2019 107 257 880 #N// #N// 1689 109 2019 37.9 6.46
South Africa - Sugar Exercises Sugarcane South Africa - Sugar Success Carry-in Stocks Production Net Exports Exports Imports Consumption Carry-out Stocks Per Capita Consumption Stocks/Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92  2009 37.25 5.48	21538  tes (percer 2010 11.07  tilization (1 2010 92 2384 696 #N/A #N/A 1687 93  2010 37.38 5.52	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A  1685  94  2011  37.40  5.60	2012 11.07 tons, raw 2012 94 2424 739 #N/A #N/A 1683 96	22144  2013 11.07  value) 2013 96 2451 768 #N/A #N/A 1682 98  2013 37.65 5.81	2014 11.07 2014 98 2481 797 #N/A #N/A 1682 100 2014 37.82 5.92	2015 11.07 2015 100 2511 828 #N/A #N/A 1682 101 2015 37.88 6.02	2016 11.07 2016 101 2535 848 #N/A #N/A 1684 104 2016 37.90 6.15	2017 11.07 2017 104 2555 871 #N/A 1683 105 2017 37.82 6.22	2018 11.07 2018 105 2564 876 #N/A #N/A 1686 107 2018 37.85 6.34	2019 11.0 2019 107 257 880 #N/# 1689 109 2019 37.9
South Africa - Sugar Ex Sugarcane  South Africa - Sugar Su  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Per Capita  Consumption	21461  straction Ra 2009 11.07  upply and U 2009 97 2380 700 900 200 1680 92  2009 37.25 5.48	21538  tes (percer 2010 11.07  tillization (1 2010 92 2384 696 #N/A #N/A 1687 93  2010 37.38 5.52	21691  2011  11.07  000 metric  2011  93  2401  715  #N/A  #N/A  1685  94  2011  37.40  5.60	21900  2012  11.07  tons, raw 2012  94 2424 739 #N/A #N/A 1683 96  2012  37.51 5.71	22144  2013 11.07  value) 2013 96 2451 768 #N/A 1682 98  2013 37.65 5.81	2014 11.07 2014 98 2481 797 #N/A 1682 100 2014 37.82 5.92	2015 11.07 2015 100 2511 828 #N/A 1682 101 2015 37.88 6.02	2016 11.07 2016 101 2535 848 #N/A 1684 104 2016 37.90 6.15	2017 11.07 2017 104 2555 871 #N/A 1683 105 2017 37.82 6.22	2018 11.07 2018 105 2564 876 #N/A 1686 107 2018 37.85 6.34	2019 11.0 2019 107 257 880 #N// 1689 109 2019 6.46

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugar Beets	11.56	11.56	11.56	11.56	11.56	11.56	11.56	11.56	11.56	11.56	11.56
ougu. 20010											
Former Soviet Union - S	Sugar Supp	ly and Litili	zation (100	0 motric to	ne row vol	110)					
ronner Soviet Onion - C	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carry-in Stocks	1579	1235	1238	1240	1246	1251	1256	1261	1267	1272	1276
Production	5828	6117	6328	6488	6613	6716	6805	6883	6954	7020	7083
Net Imports	3928	4001	3806	3668	3559	3474	3401	3339	3280	3228	3175
Exports	1093	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	5021	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	10100	10115	10131	10150	10167	10185	10200	10216	10230	10243	1025
Carry-out Stocks	1235	1238	1240	1246	1251	1256	1261	1267	1272	1276	1281
oury out otooks	1200	1200	1240	1240	1201	1200	1201	1201	ILIL	1270	1201
Por Capita	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita Consumption	34.46	34.55	34.65	34.75	34.85	34.95	35.05	35.15	35.25	35.35	35.45
Stocks/Consumption	12.23	12.23	12.24	12.27	12.30	12.33	12.37	12.40	12.43	12.46	12.49
Otocks/Oorisamphori	12.20	12.20	12.24	12.21	12.00	12.00	12.01	12.40	12.40	12.40	12.70
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Area Harvested	1155	1158	1159	1160	1161	1162	1162	1161	1161	1160	1159
Yield	60.70	61.44	62.06	62.65	63.23	63.81	64.39	64.96	65.54	66.11	66.69
Production	70109	71119	71946	72686	73421	74118	74786	75434	76069	76694	7731
Theilerd Cores Fotos	D	(									
Thailand - Sugar Extrac	tion Rates	(percent) 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
			2011 11.00	2012 11.00	2013 11.00	2014 11.00	2015 11.00	2016 11.00	2017 11.00	2018 11.00	
	2009	2010									
Sugarcane	2009 11.00	2010 11.00	11.00	11.00	11.00						
Sugarcane	2009 11.00	2010 11.00	11.00	11.00	11.00						11.00
Sugarcane Thailand - Sugar Suppl	2009 11.00 y and Utiliza	2010 11.00 ation (1000	11.00	11.00 s, raw valu	11.00 e)	11.00	11.00	11.00	11.00	11.00	2019
Sugarcane Thailand - Sugar Suppl Carry-in Stocks	2009 11.00 y and Utiliza 2009	2010 11.00 ation (1000 2010	metric tons	11.00 s, raw valu 2012	11.00 e) 2013	2014	11.00 2015	11.00 2016	11.00 2017	11.00 2018	2019
Sugarcane  Thailand - Sugar Supple  Carry-in Stocks  Production	2009 11.00 y and Utiliza 2009 2351	2010 11.00 ation (1000 2010 2151 7823 5814	11.00 metric tons 2011 2060 7914 5832	11.00 s, raw valu 2012 2018 7995 5860	11.00 e) 2013 2003 8076 5899	11.00 2014 2001	2015 2006 8227 5983	2016 2014 8298 6024	2017 2025 8368 6062	2018 2037 8436 6100	2019 2050 8505 6136
Sugarcane  Thailand - Sugar Supple  Carry-in Stocks  Production	2009 11.00 y and Utiliza 2009 2351 7700	2010 11.00 ation (1000 2010 2151 7823	11.00 metric tons 2011 2060 7914	11.00 s, raw valu 2012 2018 7995	11.00 e) 2013 2003 8076	2014 2001 8153	11.00 2015 2006 8227	2016 2014 8298	11.00 2017 2025 8368	11.00 2018 2037 8436	2019 2050 8505
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports	2009 11.00 y and Utiliza 2009 2351 7700 5800	2010 11.00 ation (1000 2010 2151 7823 5814	11.00 metric tons 2011 2060 7914 5832	11.00 s, raw valu 2012 2018 7995 5860	11.00 e) 2013 2003 8076 5899	2014 2001 8153 5942	2015 2006 8227 5983	2016 2014 8298 6024	2017 2025 8368 6062	2018 2037 8436 6100	2019 2050 8505 6136 #N/A
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports	2009 11.00 y and Utiliza 2009 2351 7700 5800 5800	2010 11.00 ation (1000 2010 2151 7823 5814 #N/A	metric tons 2011 2060 7914 5832 #N/A	11.00 s, raw valu 2012 2018 7995 5860 #N/A	e) 2013 2003 8076 5899 #N/A	2014 2001 8153 5942 #N/A	2015 2006 8227 5983 #N/A	2016 2014 8298 6024 #N/A	2017 2025 8368 6062 #N/A	2018 2037 8436 6100 #N/A	2019 2050 8505 6136 #N/A #N/A
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption	2009 11.00 y and Utiliza 2009 2351 7700 5800 5800 0	2010 11.00 2010 2151 7823 5814 #N/A #N/A	metric tons 2011 2060 7914 5832 #N/A #N/A	11.00 s, raw valu 2012 2018 7995 5860 #N/A #N/A	11.00 e) 2013 2003 8076 5899 #N/A #N/A	2014 2001 8153 5942 #N/A #N/A	2015 2006 8227 5983 #N/A #N/A	2016 2014 8298 6024 #N/A #N/A	2017 2025 8368 6062 #N/A #N/A	2018 2037 8436 6100 #N/A #N/A	2019 2050 8505 6136 #N/A 4N/A 2356
Sugarcane  Thailand - Sugar Supply Carry-in Stocks Production Net Exports Exports Imports Consumption	2009 11.00 y and Utiliza 2009 2351 7700 5800 5800 0 2100	2010 11.00 2010 2151 7823 5814 #N/A #N/A 2101	11.00  metric tons 2011 2060 7914 5832 #N/A #N/A 2124	11.00 s, raw valu 2012 2018 7995 5860 #N/A #N/A 2151	11.00 e) 2013 2003 8076 5899 #N/A #N/A 2179	2014 2001 8153 5942 #N/A #N/A 2207	2015 2006 8227 5983 #N/A #N/A 2235	2016 2014 8298 6024 #N/A #N/A 2263	2017 2025 8368 6062 #N/A #N/A 2293	2018 2037 8436 6100 #N/A #N/A 2324	2019 2050 8505 6136 #N/A 4N/A 2356
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	2009 11.00 y and Utiliza 2009 2351 7700 5800 5800 0 2100	2010 11.00 2010 2151 7823 5814 #N/A #N/A 2101	11.00  metric tons 2011 2060 7914 5832 #N/A #N/A 2124	11.00 s, raw valu 2012 2018 7995 5860 #N/A #N/A 2151	11.00 e) 2013 2003 8076 5899 #N/A #N/A 2179	2014 2001 8153 5942 #N/A #N/A 2207	2015 2006 8227 5983 #N/A #N/A 2235	2016 2014 8298 6024 #N/A #N/A 2263	2017 2025 8368 6062 #N/A #N/A 2293	2018 2037 8436 6100 #N/A #N/A 2324	2019 2050 8505 6136 #N/A 2356 2063
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	2009 11.00 y and Utiliza 2009 2351 7700 5800 0 2100 2151	2010 11.00 2010 2151 7823 5814 #N/A 2101 2060	metric tons 2011 2060 7914 5832 #N/A 2124 2018	11.00 s, raw valu 2012 2018 7995 5860 #N/A 2151 2003	11.00 e) 2013 2003 8076 5899 #N/A #N/A 2179 2001	2014 2001 8153 5942 #N/A 2207 2006	2015 2006 8227 5983 #N/A 2235 2014	2016 2014 8298 6024 #N/A 2263 2025	2017 2025 8368 6062 #N/A #N/A 2293 2037	2018 2037 8436 6100 #N/A #N/A 2324 2050	2019 2050 8505 6136 #N/A 2356 2063
Imports Consumption Carry-out Stocks  Per Capita Consumption	2009 11.00 y and Utiliza 2009 2351 7700 5800 0 2100 2151	2010 11.00 2010 2151 7823 5814 #N/A 2101 2060	metric tons 2011 2060 7914 5832 #N/A 2124 2018	11.00 s, raw valu 2012 2018 7995 5860 #N/A #N/A 2151 2003	11.00 e) 2013 2003 8076 5899 #N/A #N/A 2179 2001	2014 2001 8153 5942 #N/A 2207 2006	2015 2006 8227 5983 #N/A 2235 2014 2015 31.67	2016 2014 8298 6024 #N/A 2263 2025 2016 31.94	2017 2025 8368 6062 #N/A #N/A 2293 2037	2018 2037 8436 6100 #N/A #N/A 2324 2050	2019 2050 8505 6136 #N/A 2356 2063
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	2009 11.00 y and Utiliza 2009 2351 7700 5800 0 2100 2151	2010 11.00 2010 2151 7823 5814 #N/A 2101 2060	metric tons 2011 2060 7914 5832 #N/A 2124 2018	11.00 s, raw valu 2012 2018 7995 5860 #N/A 2151 2003	11.00 e) 2013 2003 8076 5899 #N/A #N/A 2179 2001	2014 2001 8153 5942 #N/A 2207 2006	2015 2006 8227 5983 #N/A 2235 2014	2016 2014 8298 6024 #N/A 2263 2025	2017 2025 8368 6062 #N/A #N/A 2293 2037	2018 2037 8436 6100 #N/A #N/A 2324 2050	2019 2050 8505 6136 #N/A 2356 2063
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks  Per Capita  Consumption  Stocks/Consumption	2009 11.00 y and Utiliza 2009 2351 7700 5800 0 2100 2151 2009 30.76 102.43	2010 11.00 2010 2151 7823 5814 #N/A 2101 2060 2010 30.58 98.05	metric tons 2011 2060 7914 5832 #N/A 2124 2018 2011 30.74 95.03	11.00 s, raw valu 2012 2018 7995 5860 #N/A 2151 2003  2012 30.96 93.14	e) 2013 2003 8076 5899 #N/A #N/A 2179 2001 2013 31.20 91.81	2014 2001 8153 5942 #N/A 2207 2006	2015 2006 8227 5983 #N/A 2235 2014 2015 31.67	2016 2014 8298 6024 #N/A 2263 2025 2016 31.94	2017 2025 8368 6062 #N/A #N/A 2293 2037	2018 2037 8436 6100 #N/A #N/A 2324 2050	2019 2050 8505 6136 #N/A 2356 2063
Sugarcane  Thailand - Sugar Supply  Carry-in Stocks  Production  Net Exports  Exports  Imports  Consumption  Carry-out Stocks	2009 11.00 y and Utiliza 2009 2351 7700 5800 0 2100 2151 2009 30.76 102.43	2010 11.00 2010 2151 7823 5814 #N/A 2101 2060 2010 30.58 98.05	metric tons 2011 2060 7914 5832 #N/A 2124 2018 2011 30.74 95.03	11.00 s, raw valu 2012 2018 7995 5860 #N/A 2151 2003  2012 30.96 93.14	e) 2013 2003 8076 5899 #N/A #N/A 2179 2001 2013 31.20 91.81	2014 2001 8153 5942 #N/A 2207 2006	2015 2006 8227 5983 #N/A 2235 2014 2015 31.67	2016 2014 8298 6024 #N/A 2263 2025 2016 31.94	2017 2025 8368 6062 #N/A #N/A 2293 2037	2018 2037 8436 6100 #N/A #N/A 2324 2050	6136

World - Sugar Prices (U.S. cents/pound)

		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
0		18.72	18.71	18.76	18.72	18.74	18.72	18.73	18.72	18.74	18.72	18.73
\$/ton	•	412.70	412.48	413.58	412.70	413.14	412.70	412.92	412.70	413.14	412.70	412.92