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Brazil

Sugar Semi-annual

Sugar Semi-annual 2016

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Report Highlights

Brazil's MY 2016/17 sugarcane crush is revised downward at 658 mmt, due to dry weather and inadequate crop management. Approximately 45 percent of the crop should be diverted to sugar, a clear sign of attractive sugar prices both domestically and in the world market. Total exports for MY 2016/17 are estimated at 27.12 mmt, raw value, the second highest export volume after record exports in 2012/13 (27.65 mmt).

Production

Sugarcane Production, Area and Yield

The Agricultural Trade Office (ATO/São Paulo) estimates total Brazilian sugarcane production for marketing year (MY) 2016/17 (April-March) at 658 million metric tons (mmt), down three percent from the previous figure.

The center-south (CS) sugarcane production has been revised downward to 608 mmt, down 22 mmt from the previous estimate, due to dryer weather than historical averages during the crushing season (except from mid-May to early June), and lower investment on crop management. Combined, the aforementioned factors should negatively affect sugarcane volumes for the last third of the crop. The dry weather has contributed to a faster harvest pace, thus the crushing season is expected to end in December, therefore not repeating the abnormal length of the MY 2015/16 harvest which stretched through March 2016.

As of the date of this report, the North-Northeast (NNE) crushing has just started and output remains unchanged from the previous estimate at 50 mmt. Dry weather, lower than average plant renewal rates and inadequate crop management have offset initial expectations for increased production potential.

Total sugarcane planted and harvested area for MY 2016/17 remain unchanged at 9.9 and 9.45 million hectares, respectively. The table below shows sugarcane harvested area, according to the Ministry of Agriculture, Livestock and Supply's (MAPA) National Supply Company (CONAB), and the Agricultural Economics Institute (IEA) of the State of São Paulo Secretariat of Agriculture.

Area Harvested to Sugarcane (1,000 ha).										
	2010	2011	2012	2013	2014	2015	2016 1/			
Brazil	8,033.6	8,356.1	8,485.0	8,810.8	9,004.5	8,654.8	8,973.2			
Sao Paulo	5,135.3	5,269.4	5,355.7	5,501.9	5,539.7	5,605.7	5,554.9			
Sources: CO	NAB, IEA	. 1/estimat	te.							

The agricultural yield in MY 2016/17 is estimated at 70.05 metric tons (mt)/hectare (ha), down one percent compared to the previous year, 71.11 mt/ha, due to dryer than normal weather and less intensive crop management (use of inputs and renewal of sugarcane fields). Industrial yields are estimated at 132.39 kg of total reducing sugars (TRS)/mt of sugarcane, virtually unchanged relative to the previous estimate. The following table shows historical Brazilian yields measured in TRS per metric ton of sugarcane.

Sugarcane Industrial Yields (kg TRS/metric ton)									
MY 12/13 MY 13/14 MY 14/15 MY 15/16 MY 16/17 1/									
TRS/ton	135.29	132.63	135.72	130.17	132.39				
Source: US	DA/FAS/ATO	D/São Paulo 1	/ MY 2016/17	' - estimate					

According to the Sugar and Alcohol Millers Association of São Paulo State (UNICA), 393.7 mmt of sugarcane were crushed in the CS from March through August, up six percent compared to the same

period in 2015. Crushing this season is 23.5 mmt of sugarcane ahead of schedule, compared to the same period last year, but harvest should end in December, and the final crush is expected to result in lower volumes than the previous crop.

UNICA reports that 22.42 million tons of sugar, tel quel, was produced by August 31, representing a 17 percent increase compared to 2015 levels. Cumulative ethanol production is 16.46 billion liters, virtually unchanged from the previous year. These numbers undoubtedly show that more sugarcane has been diverted toward sugar production this year (45.66 percent compared to 41.78 percent in 2015).

The following tables show monthly sugarcane crush data for the state of São Paulo and the CS region for the 2012/13 to 2016/17 crops, as reported by UNICA. São Paulo represents approximately 60 percent of the CS production.

Sugarcane crush	ed in the st	ate of São P	aulo (1,000 r	netric tons).	•
Month	12/13	13/14	14/15	15/16	16/17
February	0	0	0	0	0
March	104	0	0	0	0
April	6,649	26,582	25,864	22,420	43,689
May	34,197	47,857	48,510	40,914	43,529
June	32,888	39,393	53,885	51,560	41,012
July	54,517	52,875	48,034	46,975	57,703
August	56,678	57,868	54,736	56,701	50,121
September	44,962	46,719	39,289	40,026	
October	47,015	43,117	42,558	46,093	
November	37,562	36,445	19,130	26,383	
December	14,498	15,482	5,106	19,727	
January	582	525	573	3,549	
February	122	19	95	2,125	
March	56	351	0	11,851	
Cumulative	329,831	367,233	337,780	368,323	236,055
Source: Sugar and	d Alcohol M	lillers Associ	ation of São	Paulo State ((UNICA).

Sugarcane crush	Sugarcane crushed in Center-Southern Brazil (1,000 metric tons).								
Month	12/13	13/14	14/15	15/16	16/17				
February	146	0	0	0	0				

March	388	0	0	0	0
April	13,599	41,716	40,375	40,163	69,050
May	56,665	75,966	76,938	69,197	71,838
June	57,580	65,057	85,676	86,434	73,764
July	88,472	87,425	77,394	79,070	95,866
August	90,765	95,281	92,308	95,289	83,137
September	73,736	77,169	68,750	70,341	
October	74,143	70,227	73,878	74,966	
November	55,100	58,357	38,903	44,544	
December	20,718	23,816	13,850	28,553	
January	949	970	2,040	5,927	
February	291	204	664	3,827	
March	56	416	569	19,395	
Cumulative	532,607	596,603	571,344	617,709	393,656
Source: Sugar and	d Alcohol M	illers Associ	ation of São	Paulo State ((UNICA).

Sugarcane and Ethanol

Total sucrose (total reducing sugar, TRS) content destined for sugar and ethanol production is estimated at 45/55 percent for MY 2016/17, compared to 43/57 for the previous estimate for MY 2016/17 and 41/59 for MY 2015/16. Therefore, sugarcane diverted to sugar has noticeably increased throughout the season.

This is a direct consequence of higher demand for sugar on the world market, due to an increased estimated deficit of world supply. Trade sources estimate a cumulative deficit of roughly 15 mmt for aggregated MYs 2015/16 and 2016/17. China and India are expected to import large amounts of sugar. As a result, Post revised sugar production for MY 2016/17 upward to 37.78 mmt, raw value, up 710,000 mt from the previous estimate and up 3.13 mmt, raw value, compared to the previous season.

The tables below show monthly sugar production for the state of São Paulo and the CS region for the 2012/13 to 2016/17 crops, as reported by UNICA.

Sugar production in the state of São Paulo (Metric tons, tel quel)									
Month 12/13 13/14 14/15 15/16 16/17									
February	0	0	0	0	0				
March	3,691	0	0	0	0				

287,294	1,204,407	1,077,798	918,009	2,292,732					
1,952,653	2,844,117	2,874,125	2,214,282	2,648,457					
2,017,509	2,305,372	3,564,842	3,123,877	2,551,700					
3,800,734	3,425,222	3,407,713	3,009,722	4,026,787					
4,377,261	4,244,576	4,003,035	3,948,623	3,757,876					
3,584,137	3,653,913	2,734,179	2,719,062						
3,681,687	3,039,994	2,894,877	3,056,703						
2,647,361	2,415,600	1,136,646	1,318,035						
912,666	807,064	203,879	755,491						
11,736	10,242	9,542	80,523						
6,356	0	2,485	41,441						
1,004	14,371	20	381,687						
23,284,089	23,964,878	21,909,141	21,567,455	15,277,552					
d Alcohol Mille	ers Association of	of São Paulo Sta	te (UNICA).						
	1,952,653 2,017,509 3,800,734 4,377,261 3,584,137 3,681,687 2,647,361 912,666 11,736 6,356 1,004 23,284,089	1,952,653 2,844,117 2,017,509 2,305,372 3,800,734 3,425,222 4,377,261 4,244,576 3,584,137 3,653,913 3,681,687 3,039,994 2,647,361 2,415,600 912,666 807,064 11,736 10,242 6,356 0 1,004 14,371 23,284,089 23,964,878	1,952,653 2,844,117 2,874,125 2,017,509 2,305,372 3,564,842 3,800,734 3,425,222 3,407,713 4,377,261 4,244,576 4,003,035 3,584,137 3,653,913 2,734,179 3,681,687 3,039,994 2,894,877 2,647,361 2,415,600 1,136,646 912,666 807,064 203,879 11,736 10,242 9,542 6,356 0 2,485 1,004 14,371 20 23,284,089 23,964,878 21,909,141	1,952,653 2,844,117 2,874,125 2,214,282 2,017,509 2,305,372 3,564,842 3,123,877 3,800,734 3,425,222 3,407,713 3,009,722 4,377,261 4,244,576 4,003,035 3,948,623 3,584,137 3,653,913 2,734,179 2,719,062 3,681,687 3,039,994 2,894,877 3,056,703 2,647,361 2,415,600 1,136,646 1,318,035 912,666 807,064 203,879 755,491 11,736 10,242 9,542 80,523 6,356 0 2,485 41,441 1,004 14,371 20 381,687					

Sugar production	on in Center-So	uthern Brazil (Metric tons, te	l quel).	
Month	12/13	13/14	14/15	15/16	16/17
February	4,692	0	0	0	0
March	5,052	0	0	0	0
April	535,505	1,704,682	1,499,504	1,448,957	3,243,652
May	2,983,558	3,944,719	3,935,971	3,198,629	3,742,370
June	3,161,408	3,308,644	4,905,573	4,507,387	3,990,684
July	5,605,984	4,958,695	4,787,076	4,256,943	5,934,498
August	6,366,406	6,152,387	5,815,997	5,733,292	5,504,531
September	5,342,707	5,281,370	4,137,377	4,067,628	
October	5,331,840	4,372,655	4,404,882	4,279,266	
November	3,576,444	3,407,612	1,952,698	1,909,386	
December	1,156,251	1,135,957	506,583	1,032,089	
January	14,532	10,513	28,066	120,054	
February	6,356	1	6,250	62,677	
March	1,004	15,640	7,120	605,179	
Cumulative	34,091,739	34,292,875	31,987,097	31,221,487	22,415,735
Source: Sugar an	d Alcohol Mille	ers Association of	of São Paulo Sta	ite (UNICA).	

Total ethanol production for MY 2016/17 is estimated between 27.5 and 28.5 billion liters (11.5-12 billion liters of anhydrous and 16-16.5 billion liters of hydrated ethanol), down approximately 2 billion liters from the previous marketing year, the result of higher demand for sugar.

The table below shows the sales of FFV and ethanol powered cars. Note that sales of FFV currently represent roughly 88 percent of total vehicle sales. According to the industry, FFV and pure ethanol engines already represents approximately 74 percent of the light vehicles fleet, therefore, supporting potential demand for ethanol.

Licensing of Ethanol Powered Vehicles (pure ethanol & flex fuel units)										
2010 2011 2012 2013 2014 2015 2016 1/										
2,876,173	2,876,173									
Source: Nati	ional Associa	tion of Vehic	ele Manufactu	rers (ANFA	VEA) 1/ Janu	ıary-July.				

The steady sales of FFV do not solely guarantee a higher demand for ethanol given that consumer decisions are driven by the ratio between ethanol and gasoline prices. The 70 percent ratio between ethanol and gasoline prices remains the rule of thumb in Brazil, for determining whether flex car owners will choose to fill up with ethanol (price ratio below 70 percent) or gasoline (price ratio above 70 percent).

The tables below show ethanol and gasoline prices as well as the price ratio for selected states and cities in January-February (off-peak) and in July-August (peak season) 2013, 2014, 2015, and 2016. Note that in the peak of the harvest season, ethanol remained the more economic option for fueling only in the states of São Paulo and Minas Gerais due to logistic advantages and preferential state taxes.

Gasoline and Ethanol P	Sasoline and Ethanol Prices in Selected States (average price, R\$/liter)								
			Gasoline				Ethanol		
		2013	2014	2015	2016	2013	2014	2015	2016
Jan		2.644	2.835	2.918	3.520	1.829	1.909	1.935	2.601
São Paulo State	Feb	2.767	2.837	3.150	3.544	1.875	1.946	2.101	2.682

	T-	0.701	0.00	0.100	0.454	1.705	1.002	1.0.50	0.051
	Jun	2.726	2.868	3.128	3.464	1.787	1.902	1.969	2.271
	Aug	2.705	2.856	3.095	3.446	1.741	1.874	1.897	2.284
	Jan	2.628	2.803	2.878	3.486	1.818	1.903	1.914	2.588
São Paulo City	Feb	2.739	2.800	3.100	3.507	1.869	1.935	2.069	2.658
	Jun	2.699	2.835	3.074	3.414	1.751	1.869	1.935	2.245
	Aug	2.674	2.674	3.042	3.394	1.718	1.841	1.862	2.237
	Jan	2.824	2.976	3.025	3.707	2.095	2.134	2.198	2.781
Minas Gerais	Feb	2.923	2.963	3.304	3.741	2.125	2.149	2.363	2.907
	Jun	2.903	2.952	3.366	3.683	2.105	2.210	2.232	2.522
	Aug	2.875	2.969	3.340	3.684	2.035	2.173	2.152	2.548
	Jan	2.740	2.859	2.902	3.571	2.083	2.098	2.135	2.704
Belo Horizonte (MG	Feb	2.824	2.847	3.225	3.616	2.106	2.110	2.312	2.884
Capital)	Jun	2.782	2.851	3.296	3.555	2.065	2.155	2.244	2.457
	Aug	2.732	2.846	3.245	3.560	1.947	2.115	2.098	2.482
	Jan	2.898	3.082	3.214	3.869	2.243	2.352	2.500	3.242
Rio Janeiro State	Feb	3.002	3.085	3.453	3.899	2.268	2.378	2.662	3.363
XIO Janen o State	Jun	3.005	3.132	3.516	3.907	2.303	2.468	2.649	3.071
	Aug	2.994	3.128	3.516	3.890	2.257	2.454	2.635	3.055
D: 1	Jan	2.866	3.052	3.187	3.849	2.231	2.340	2.485	3.233
	Feb	2.967	3.056	3.433	3.880	2.251	2.372	2.661	3.372
Rio Janeiro Capital	Jun	2.974	3.109	3.490	3.898	2.280	2.451	2.624	3.060
	Aug	2.959	3.098	3.497	3.869	2.231	2.430	2.618	3.038
	Jan	2.695	2.897	2.967	3.963	2.316	2.387	2.389	3.501
Porto Alegre (RS	Feb	2.847	2.882	3.297	3.959	2.336	2.396	2.586	3.586
Capital)	Jun	2.751	2.884	3.289	3.810	2.396	2.384	2.491	3.352
	Aug	2.760	2.872	3.316	3.886	2.387	2.337	2.487	3.352
	Jan	2.743	3.136	3.220	3.650	1.937	2.225	2.181	2.629
Cojonio (CO Conital)	Feb	2.836	3.111	3.431	3.384	1.951	2.175	2.339	2.837
Goiania (GO Capital)	Jun	2.794	3.085	3.170	3.782	1.849	2.100	1.974	2.659
	Aug	2.784	3.134	3.224	3.795	1.811	2.166	2.043	2.693
	Jan	2.675	2.891	3.151	3.876	2.220	2.335	2.572	3.073
Fortologo (CE Conital)	Feb	2.850	2.879	3.347	3.867	2.280	2.342	2.601	3.091
Fortaleza (CE Capital)	Jun	2.856	2.952	3.370	3.968	2.337	2.471	2.609	3.274
	Aug	2.780	2.984	3.369	3.941	2.332	2.491	2.608	3.244
Source: Petroleum, Natural						•	•		
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Ratio Ethanol/Gasoline F	Prices				
		2013	2014	2015	2016
	Jan	69%	67%	66%	74%
São Paulo State	Feb	68%	69%	67%	76%
	Jun	66%	66%	63%	66%

	Aug	64%	66%	61%	66%
	Jan	69%	68%	67%	74%
São Doulo City	Feb	68%	69%	67%	76%
São Paulo City	Jun	65%	66%	63%	66%
	Aug	64%	69%	61%	66%
	Jan	74%	72%	73%	75%
Minos Consis	Feb	73%	73%	72%	78%
Minas Gerais	Jun	73%	75%	66%	68%
	Aug	71%	73%	64%	69%
Belo Horizonte (MG Capital)	Jan	76%	73%	74%	76%
	Feb	75%	74%	72%	80%
	Jun	74%	76%	68%	69%
	Aug	71%	74%	65%	70%
Rio Janeiro State	Jan	77%	76%	78%	84%
	Feb	76%	77%	77%	86%
	Jun	77%	79%	75%	79%
	Aug	75%	78%	75%	79%
	Jan	78%	77%	78%	84%
Dia Janaina Canital	Feb	76%	78%	78%	87%
Rio Janeiro Capital	Jun	77%	79%	75%	79%
	Aug	75%	78%	75%	79%
	Jan	86%	82%	81%	88%
Doute Alegne (DC Conitel)	Feb	82%	83%	78%	91%
Porto Alegre (RS Capital)	Jun	87%	83%	76%	88%
	Aug	86%	81%	75%	86%
	Jan	71%	71%	68%	72%
Cojonio (CO Conital)	Feb	69%	70%	68%	84%
Goiania (GO Capital)	Jun	66%	68%	62%	70%
	Aug	65%	69%	63%	71%
	Jan	83%	81%	82%	79%
Fortaleza (CE Capital)	Feb	80%	81%	78%	80%
roi taicza (CE Capitai)	Jun	82%	84%	77%	83%
	Aug	84%	83%	77%	82%
Source: Petroleum, Natural Gas	and Bio	fuels Na	ational A	Agency (ANP).
Gray Area means gasoline prices	more a	ttractive	e than et	hanol	

According to the Ministry of Agriculture, Livestock and Supply (MAPA), cumulative production for the 2016/17 crop through August 30, 2016 was reported at 22.23 mmt of sugar and 16.96 billion liters of ethanol (6.67 billion liters of anhydrous and 10.29 liters of hydrated ethanol). The table below shows updated estimates for sugarcane, sugar and ethanol production by state for MY 2015/16 and 16/17, as reported by MAPA.

Cane, Sugar & Ethanol Production: 2015/16 Crop (MT and 000 Liters)									
				Ethanol					
State/Region	Cane	Sugar	Anhydrous	Hydrous	Total				
Espirito Santo	2,809,562	70,952	82,233	68,612	150,845				
Goias	73,203,005	1,892,231	1,035,366	3,662,705	4,698,071				
Minas Gerais	64,968,130	3,249,367	1,038,036	2,048,209	3,086,245				
Mato Grosso Sul	48,685,412	1,325,318	650,281	2,169,819	2,820,100				
Mato Grosso	17,150,549	337,162	528,120	798,469	1,326,589				
Parana	41,286,091	2,703,136	586,191	990,712	1,576,903				
Rio de Janeiro	1,066,152	0	0	58,654	58,654				
Rio Grande Sul	61,238	0	0	3,786	3,786				
Sao Paulo	369,048,830	21,343,386	6,292,173	8,540,814	14,832,987				
Center South	618,278,969	30,921,552	10,212,400	18,341,780	28,554,180				
Acre	86,072	0	0	4,510	4,510				
Amazonas	216,343	12,356	0	5,804	5,804				
Ceara	208,636	0	0	14,597	14,597				
Maranhao	2,455,136	12,524	146,159	41,125	187,284				
Parana	682,261	22,234	29,790	11,136	40,926				
Piaui	967,360	66,911	29,336	3,338	32,674				
Rondonia	191,003	0	0	12,909	12,909				
Tocantins	2,366,228	0	143,463	69,358	212,821				
North	7,173,039	114,025	348,748	162,777	511,525				
Alagoas	16,381,813	1,229,041	215,298	163,351	378,649				
Bahia	3,816,394	79,798	46,373	175,031	221,404				
Paraiba	5,737,280	129,047	177,132	178,781	355,913				
Pernambuco	11,394,272	822,342	154,377	196,087	350,464				
Rio Grande Norte	2,608,367	147,467	52,101	39,540	91,641				
Sergipe	2,295,878	105,444	26,109	86,341	112,450				
Northeast	42,234,004	2,513,139	671,390	839,131	1,510,521				
TOTAL	667,686,012	33,548,716	11,232,538	19,343,688	30,576,226				
Source: Ministry of A	griculture, Live	stock and Sup	ply-Sugar, Alco	ohol Dept, 09/1	14/2016				

Cane, Sugar & Ethanol Production: 2016/17 Crop (MT and 000 Liters)									
Ethanol									
State/Region	Cane	Sugar	Anhydrous	Hydrous	Total				
Espirito Santo	1,194,201	60,178	39,129	12,236	51,365				
Goias	48,136,253	1,468,093	669,805	2,396,019	3,065,824				
Minas Gerais	43,343,857	2,583,729	697,754	1,092,061	1,789,815				

Mato Grosso Sul	27,504,971	884,382	457,177	1,046,768	1,503,945
Mato Grosso	11,177,582	252,378	361,418	403,032	764,450
Parana	27,876,131	2,017,798	385,987	539,371	925,358
Rio de Janeiro	767,613	25,035	0	32,769	32,769
Rio Grande Sul	28,812	0	0	1,806	1,806
Sao Paulo	232,638,433	14,778,188	3,841,239	4,637,930	8,479,169
Center South	392,667,853	22,069,781	6,452,509	10,161,992	16,614,501
Acre	42,882	0		2,436	2,436
Amazonas	20,196	835		148	148
Ceara	73,966	0		5,242	5,242
Maranhao	1,061,257	8,528	65,750	11,763	77,513
Parana	393,163	16,042	14,352	2,558	16,910
Piaui	500,669	32,760	14,355	205	14,560
Rondonia	82,025	0	0	5,917	5,917
Tocantins	1,543,820	0	80,010	35,233	115,243
North	3,717,978	58,165	174,467	63,502	237,969
Alagoas	1,873	0	0	0	0
Bahia	1,483,051	57,028	35,194	37,802	72,996
Paraiba	651,807	20,352	9,989	22,901	32,890
Pernambuco	319,569	25,341	177	4,065	4,242
Rio Grande Norte	0	0	0	0	0
Sergipe	0	0	0	0	0
Northeast	2,456,300	102,721	45,360	64,768	110,128
TOTAL	398,842,131	22,230,667	6,672,336	10,290,262	16,962,598
Source: Ministry of A	griculture, Live	estock and Sup	ply-Sugar, Alc	ohol Dept, 09/	14/2016

Sugarcane, Sugar and Ethanol Prices in the Domestic Market

Sugarcane prices received by third party suppliers for the major producing states are based on a formula that takes into account prices for sugar and ethanol prices both in the domestic and international markets. The State of São Paulo Sugarcane, Sugar and Ethanol Growers Council (CONSECANA) was the first to develop this formula for the state of São Paulo, the major producing state comprising 60 percent of the center-south production.

CONSECANA reports that the average sugarcane price (April-August 2016) for the state of São Paulo for the 2016/17 crop was R\$0.6122 per kg of TRS, or R\$80.13 per ton of sugarcane, up R\$18.54 per ton compared to the same period for the 2015/16 crop (R\$0.4741 per kg of TRS, or R\$61.59 per ton of sugarcane), due to higher prices paid for sugar and ethanol during the crushing season compared the previous year. Note that CONSECANA's prices are based on both sugar and ethanol prices in domestic and international markets.

The Crystal Sugar and Ethanol Indexes released by the University of São Paulo's College of Agriculture "Luiz de Queiroz" (ESALQ) follow. The indexes track crystal sugar, anhydrous, and hydrated prices received by producers in the domestic spot market.

Crystal Sugar Prices - Domestic Market (Real, 50kg/bag, including tax).									
Period	2012	2013	2014	2015	2016				
January	62.04	48.80	50.29	51.05	83.75				
February	59.10	47.97	50.38	50.11	81.25				
March	57.34	45.04	51.86	50.97	77.46				
April	56.44	44.21	51.70	51.57	76.00				
May	54.58	44.55	51.49	51.20	75.68				
June	55.12	44.23	49.54	49.03	83.94				
July	56.96	44.48	47.07	47.85	86.65				
August	56.08	43.55	45.54	46.90	85.89				
September 1/	49.85	45.44	44.76	51.06	86.88				
October	50.57	50.78	47.62	64.98					
November	50.20	51.94	50.97	76.44					
December	49.12	51.06	52.12	80.57					
Source: USP/ESALQ	CEPEA. 1/	September	r 2016 refei	s to Septem	ber 1-27.				

Price for Fuel A	Price for Fuel Anhydrous Ethanol - State of São Paulo (R\$/000 liters).								
Period	2012	2013	2014	2015	2016				
January	1270.30	1302.50	1456.10	1458.20	1996.70				
February	1184.60	1352.70	1520.50	1552.50	2083.00				
March	1278.80	1374.50	1610.20	1420.40	2113.70				
April	1259.70	1394.80	1522.00	1401.50	1602.40				
May	1294.30	1329.10	1366.40	1363.10	1536.40				
June	1234.00	1285.20	1359.20	1352.40	1678.10				
July	1232.50	1271.20	1373.90	1328.80					
August	1198.70	1227.30	1346.00	1300.70					
September	1198.90	1277.10	1362.40	1358.30					
October	1140.00	1315.40	1290.00	1658.30					
November	1234.90	1342.80	1329.90	1870.40					
December	1287.20	1440.00	1407.10	1888.10					
Source: USP/ES	SALQ/CEPE	EA.							

Price for Fuel Hydrated Ethanol - State of São Paulo (R\$/000 liters							
Period	2012	2013	2014	2015	2016		
January	1159.00	1144.60	1284.80	1325.60	1824.40		
February	1119.80	1232.00	1368.60	1384.70	1916.40		

1204.40	1226.40	1419.50	1261.30	1906.60
1191.40	1244.30	1338.50	1261.60	1396.60
1140.10	1110.20	1200.90	1226.50	1391.00
1082.80	1140.20	1214.90	1216.20	1501.90
1059.90	1114.50	1229.10	1199.00	
1041.70	1088.60	1207.00	1175.50	
1062.40	1148.50	1200.60	1273.40	-
1010.60	1164.00	1138.30	1528.80	
1095.90	1204.70	1218.20	1709.00	-
1132.50	1281.10	1265.50	1704.60	-
SALQ/CEPI	EA.			
	1191.40 1140.10 1082.80 1059.90 1041.70 1062.40 1010.60 1095.90 1132.50	1191.40 1244.30 1140.10 1110.20 1082.80 1140.20 1059.90 1114.50 1041.70 1088.60 1062.40 1148.50 1010.60 1164.00 1095.90 1204.70	1191.40 1244.30 1338.50 1140.10 1110.20 1200.90 1082.80 1140.20 1214.90 1059.90 1114.50 1229.10 1041.70 1088.60 1207.00 1062.40 1148.50 1200.60 1010.60 1164.00 1138.30 1095.90 1204.70 1218.20 1132.50 1281.10 1265.50	1191.40 1244.30 1338.50 1261.60 1140.10 1110.20 1200.90 1226.50 1082.80 1140.20 1214.90 1216.20 1059.90 1114.50 1229.10 1199.00 1041.70 1088.60 1207.00 1175.50 1062.40 1148.50 1200.60 1273.40 1010.60 1164.00 1138.30 1528.80 1095.90 1204.70 1218.20 1709.00 1132.50 1281.10 1265.50 1704.60

The sharp increase in sugar prices are related to the increased world deficit in sugar supply. Indeed, sugar prices both domestically and on the international market have steadily increased since September 2015 and are price equivalent among different products and trade, indicating that sugar is much more attractive at the moment than ethanol. The September 29 price equivalence shows that sugar contract # 11 at ICE (Intercontinental Exchange) in New York was negotiated at 22.76 US\$/cents, whereas VHP sugar exported FOB from the Port of Santos and sugar sold on the domestic market were traded at approximately 23.6 and 24 US\$/cents, respectively. Ethanol price equivalence on the domestic market was far below, ranging between US\$/cent 16.5-17.5.

Consumption

There is no official source for domestic consumption of sugar in Brazil. ATO/São Paulo estimates for Brazilian sugar consumption in MY 2016/17 remains unchanged at 10.8 mmt, down 100,000 mt from MY 2015/16.

Trade

Sugar Exports

Brazilian sugar exports for MY 2016/17 are estimated at 27.12 mmt, raw value, up 2.77 mmt compared to the previous MY (24.35 mmt), due to the expected deficit of sugar on the world market and increased competitiveness of the Brazilian Real. China, Bangladesh, India, and Algeria remain major destinations for Brazilian sugar. Raw sugar exports should contribute 21.69 mmt of total exports. Refined exports should account for 5.42 mmt, raw value.

The following tables show Brazilian sugar exports by destination for MY 2015/16 (April-March and April-August) and MY 2016/17 (April-August), as reported by the Brazilian Secretariat of Foreign Trade (SECEX)

Brazilian Sugar Exports (NCMs 1701.11, 1701.13 & 1701.14, MT, tel quel, US\$ 000 FOB)

	MY 2015/16 1/		MY 201	15/16 2/	MY 201	6/17 2/
Country	Quantity	Value	Quantity	Value	Quantity	Value
China	2,343,151	680,610	955,576	289,988	1,226,028	415,480
Bangladesh	2,265,681	674,119	972,475	295,768	878,509	304,277
Algeria	1,674,423	502,191	627,776	203,525	889,232	303,680
India	1,848,182	544,159	542,939	180,553	771,621	275,100
Nigeria	1,119,200	324,547	387,018	118,878	626,043	209,648
Indonesia	29,942	8,340	9,702	2,604	481,435	170,715
Malaysia	945,037	275,753	232,615	73,514	510,868	163,302
Iraq	673,084	198,911	201,344	59,854	439,683	144,273
Morocco	862,298	246,936	327,619	96,909	413,525	139,869
Saudi Arabia	709,508	208,562	173,365	53,585	420,980	138,643
Others	7,122,670	2,185,054	2,450,661	785,246	3,245,157	1,106,561
Total	19,593,175	5,849,183	6,881,089	2,160,423	9,903,079	3,371,547
Source : Brazilia	n Foreign Tra	de Secretariat	(SECEX)			
Note: Numbers	may add due to	o rounding 1/	April-Mar 2	2/April-Aug		

	MY 201	5/16 1/	MY 2015	5/16 2/	MY 201	6/17 2/
Country	Quantity	Value	Quantity	Value	Quantity	Value
Yemen	215,683	74,108	59,130	21,848	275,286	110,829
UAE	993,180	268,281	336,087	98,017	251,351	93,170
Myanmar	90,126	31,267	0	0	199,979	82,960
Sri Lanka	256,534	87,947	123,171	43,728	207,768	82,368
Saudi Arabia	409,622	113,453	219,276	64,408	106,010	51,186
Nigeria	334,551	92,812	166,051	47,176	125,705	41,957
Mauritania	390,455	137,817	115,595	40,059	85,575	33,093
Angola	218,328	76,470	84,306	30,613	81,105	32,765
United States	90,452	60,740	39,891	28,248	45,984	30,401
South Africa	100,161	35,875	56,953	20,417	42,095	20,410
Others	1,989,213	692,960	801,989	287,290	777,901	309,617
Fotal	5,088,304	1,671,730	2,002,450	681,804	2,198,759	888,756
Source : Brazilia	an Foreign Tr	ade secretaria	at (SECEX)	•	-	•
Note : Numbers			,	2/April-A	ug	

Ethanol Exports

The tables below show ethanol exports by destination and imports by country of origin for MY 2015/16 (April-March) and MY 2016/17 (April-August), as reported by the Brazilian Secretariat of Foreign Trade (SECEX).

Brazilian Ethanol Exports (NCM	2207.10, 2207.20.11	& 2207.20.19, N	AT, 000 Liters, US\$ 1,000
FOB)			

	MY 2015/16 1/			M	Y 2016/17 2/	
Country	Volume	Weight	Value	Volume	Weight	Value
United States	983,351	777,466	476,688	453,681	359,174	222,150
South Korea	571,481	461,666	249,521	229,433	185,312	106,243
Japan	62,223	49,213	31,490	35,949	28,367	18,859
India	91,547	74,046	36,392	44,356	35,868	15,535
Netherlands	106,565	85,659	46,766	29,836	24,038	14,280
Colombia	10,820	8,716	5,234	9,288	7,491	4,946
Nigeria	59,674	48,236	24,707	10,574	8,552	4,793
Saudi Arabia	33,199	26,821	13,497	9,721	7,861	4,764
Turkey	25,755	20,735	12,005	9,214	7,419	4,496
Uruguay	3,666	3,025	2,355	1,461	1,175	808
Others	215,965	171,812	102,609	5,120	4,122	3,539
Total	2,164,246	1,727,394	1,001,263	838,632	669,379	400,413
Source : Brazilian Fo	oreign Trade Se	cretariat (SECE	X)			
Numbers may not ad	ld due to roundi	ng 1/April-Mar	ch. 2/ April-Au	g.		

Brazilian Ethanol Imports	(NCM 2207.10, 22	07.20.11 & 2207	7.20.19, MT, 0	00 Liters, US\$ 1,000
FOR)				

,	M	Y 2015/16 1/		MY 2016/17 2/			
Country	Volume	Weight	Value	Volume	Weight	Value	
United States	414,787	343,164	199,637	284,687	224,898	132,512	
Paraguay	0	0	0	2,000	1,583	898	
Jamaica	241	209	796	94	95	323	
Germany	25	48	306	25	21	162	
France	3	6	45	6	5	34	
Sweden	95	80	129	24	19	30	
Mexico	9	8	73	3	3	19	
Spain	3	4	17	0	1	5	
Japan	0	0	1	0	0	2	
Switzerland	0	0	5	0	0	1	
Others	123	104	139	0	0	0	
Total	415,286	343,624	201,148	286,840	226,624	133,987	
Source : Brazilian Foreign Trade Secretariat (SECEX)							
Numbers may not add due to rounding 1/April-March. 2/ April-Aug.							

Stocks

Sugar ending stocks for MY 2016/17 are estimated at 210,000 mt, raw value, down 140,000 mt from the previous season.

Policy

According to Post contacts, Brazil, Australia, Thailand and South Korea will be investigated by the Chinese government due to increased imports of sugar from those countries, which could be damaging the local industry. The four exporting countries should send initial comments on this issue to China by mid-October. China represents the largest export market for Brazil, representing roughly 10 percent of total sugar exports.

Production, Supply and Demand Data Statistics

Sugar Cane for Centrifugal	2014/2015		2015/20	016	2016/2017		
Market Begin	April 2	014	April 2	April 2015		April 2016	
Year	_		_		_		
Brazil	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post	
Area Planted	9900	9900	9900	9900	9900	9900	
Area Harvested	9250	9250	9450	9450	9450	9450	
Production	632500	632500	667000	667000	680000	658000	
Total Supply	632500	632500	667000	667000	680000	658000	
Utilization for Sugar	275138	275138	273470	273470	292400	296100	
Utilizatn for Alcohol	357362	357362	393530	393530	387600	361900	
Total Utilization	632500	632500	667000	667000	680000	658000	
(1000 HA), (1000 MT)							

Sugar, Centrifugal	2014/2015	2015/2016	2016/2017
Market Begin Year	Apr 2014	Apr 2015	Apr 2016

Brazil	USDA	New	USDA	New	USDA	New
	Official	Post	Official	Post	Official	Post
Beginning Stocks	350	350	950	950	350	350
Beet Sugar	0	0	0	0	0	0
Production						
Cane Sugar	35950	35950	34650	34650	37070	37780
Production						
Total Sugar	35950	35950	34650	34650	37070	37780
Production						
Raw Imports	0	0	0	0	0	0
Refined Imp.(Raw	0	0	0	0	0	0
Val)						
Total Imports	0	0	0	0	0	0
Total Supply	36300	36300	35600	35600	37420	38130
Raw Exports	18900	18900	19750	19750	20880	21696
Refined Exp.(Raw	5050	5050	4600	4600	5220	5424
Val)						
Total Exports	23950	23950	24350	24350	26100	27120
Human Dom.	11400	11400	10900	10900	10800	10800
Consumption						
Other	0	0	0	0	0	0
Disappearance						
Total Use	11400	11400	10900	10900	10800	10800
Ending Stocks	950	950	350	350	520	210
Total Distribution	36300	36300	35600	35600	37420	38130
(1000 MT)						

Exchange Rate

Exchange Rate (R\$/US\$1.00 - official rate, last day of period)							
Month	2010	2011	2012	2013	2014	2015	2016
January	1.87	1.67	1.74	1.99	2.43	2.66	4.04
February	1.81	1.66	1.71	1.98	2.33	2.88	3.98
March	1.78	1.62	1.82	2.01	2.26	3.21	3.56
April	1.77	1.57	1.89	2.00	2.24	2.98	3.45
May	1.81	1.57	2.02	2.13	2.24	3.18	3.60
June	1.80	1.57	2.02	2.22	2.20	3.10	3.21
July	1.75	1.56	2.05	2.29	2.27	3.39	3.24
August	1.75	1.59	2.04	2.37	2.24	3.65	3.24
September	1.69	1.85	2.03	2.23	2.45	3.98	3.24
October	1.70	1.69	2.03	2.20	2.44	3.86	3.24
November	1.71	1.81	2.10	2.32	2.56	3.85	
December	1.66	1.88	2.04	2.34	2.66	3.90	
Source : Brazilian Central Bank (BACEN).							