

Harvest update of South-Central region

Bi-weekly bulletin

Position until 12/16/2018



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UNIÃO DA INDÚSTRIA DE CANA-DE-AÇÚCAR

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Table 1. 2018/2019 harvest season: accumulated production until December 16, 2018

Product	South-Central region			São Paulo			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
Sugarcane ¹	580,684	557,085	↓ -4.06%	348,099	326,143	↓ -6.31%	232,585	230,941	↓ -0.71%
Sugar ¹	35,713	26,180	↓ -26.69%	24,363	17,981	↓ -26.20%	11,350	8,200	↓ -27.76%
Anhydrous ethanol ²	10,650	9,068	↓ -14.85%	6,107	5,225	↓ -14.43%	4,543	3,843	↓ -15.42%
Hydrous ethanol ²	14,383	20,716	↑ 44.03%	6,666	10,351	↑ 55.27%	7,717	10,365	↑ 34.31%
Total ethanol ²	25,033	29,784	↑ 18.98%	12,773	15,576	↑ 21.95%	12,260	14,208	↑ 15.88%
TRS ¹	79,740	77,262	↓ -3.11%	47,425	45,360	↓ -4.35%	32,316	31,901	↓ -1.28%
TRS/ ton of sugarcane ³	137.32	138.69	↑ 1.00%	136.24	139.08	↑ 2.09%	138.94	138.14	↓ -0.58%
Share % sugar	47.00%	35.56%	↓	53.92%	41.60%	↓	36.86%	26.98%	↓
ethanol	53.00%	64.44%	↑	46.08%	58.40%	↑	63.14%	73.02%	↑
Liters of ethanol/ ton of sugarcane	42.62	52.62	↑ 23.45%	36.69	47.76	↑ 30.16%	51.50	59.49	↑ 15.51%
Kg of sugar/ ton of sugarcane	61.50	47.00	↓ -23.59%	69.99	55.13	↓ -21.23%	48.80	35.51	↓ -27.24%

Table 2. 2018/2019 harvest season: BI-WEEKLY values (1st two-week period of December, 2018)

Product	South-Central region			São Paulo			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
Sugarcane ¹	10,517	12,794	↑ 21.66%	6,729	6,193	↓ -7.97%	3,787	6,602	↑ 74.31%
Sugar ¹	511	419	↓ -18.13%	332	233	↓ -29.92%	179	186	↑ 3.71%
Anhydrous ethanol ²	143	88	↓ -38.69%	102	37	↓ -64.07%	41	51	↑ 24.88%
Hydrous ethanol ²	356	605	↑ 69.74%	193	267	↑ 38.19%	163	338	↑ 107.12%
Total ethanol ²	500	693	↑ 38.63%	296	304	↑ 2.75%	204	389	↑ 90.62%
TRS ¹	1,335	1,550	↑ 16.05%	851	756	↓ -11.20%	484	794	↑ 64.00%
TRS/ ton of sugarcane ³	126.98	121.13	↓ -4.61%	126.52	122.08	↓ -3.51%	127.81	120.25	↓ -5.91%
Share % sugar	40.18%	28.35%	↓	40.91%	32.29%	↓	38.89%	24.59%	↓
ethanol	59.82%	71.65%	↑	59.09%	67.71%	↑	61.11%	75.41%	↑
Liters of ethanol/ ton of sugarcane	44.74	51.51	↑ 15.14%	43.94	49.06	↑ 11.66%	46.16	53.81	↑ 16.57%
Kg of sugar/ ton of sugarcane	48.61	32.72	↓ -32.70%	49.32	37.56	↓ -23.85%	47.36	28.18	↓ -40.50%

Source: UNICA. Note: ¹- thousand tons; ²- million liters; ³- kg of TRS/ ton of sugarcane. Total Recoverable Sugar (TRS) index was calculated excluding corn ethanol production (the data are those shown in Table 8).

Table 3. Bi-weekly sugarcane crushing, ACCUMULATED - results for the South-Central region

Bi-weekly period	SUGARCANE (tons)								
	São Paulo			South-Central region			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
16/04	10,584,086	13,294,116	26%	17,680,550	22,251,246	26%	7,096,464	8,957,130	26%
01/05	25,457,747	36,696,428	44%	41,944,660	59,877,229	43%	16,486,913	23,180,801	41%
16/05	49,314,428	62,660,513	27%	80,518,063	102,458,486	27%	31,203,635	39,797,973	28%
01/06	67,787,946	82,649,319	22%	112,208,931	134,942,399	20%	44,420,985	52,293,080	18%
16/06	92,053,836	108,629,365	18%	151,715,839	177,265,077	17%	59,662,003	68,635,712	15%
01/07	121,083,003	135,267,582	12%	199,430,685	222,555,666	12%	78,347,682	87,288,084	11%
16/07	149,736,601	161,508,098	8%	247,430,421	267,529,148	8%	97,693,820	106,021,050	9%
01/08	180,019,004	189,062,905	5%	298,337,675	314,948,047	6%	118,318,671	125,885,142	6%
16/08	207,303,679	207,941,542	0%	343,773,899	348,460,975	1%	136,470,220	140,519,433	3%
01/09	229,603,936	233,421,140	2%	382,849,503	391,752,772	2%	153,245,567	158,331,632	3%
16/09	257,055,881	256,401,328	0%	428,322,613	430,314,940	0%	171,266,732	173,913,612	2%
01/10	281,558,230	271,973,636	-3%	468,782,591	457,999,445	-2%	187,224,361	186,025,809	-1%
16/10	300,974,632	286,311,163	-5%	501,302,431	483,480,536	-4%	200,327,799	197,169,373	-2%
01/11	318,626,608	299,722,626	-6%	531,446,657	508,356,092	-4%	212,820,049	208,633,466	-2%
16/11	332,800,144	312,237,123	-6%	554,896,397	529,742,467	-5%	222,096,253	217,505,344	-2%
01/12	341,369,553	319,950,662	-6%	570,167,275	544,290,293	-5%	228,797,722	224,339,631	-2%
16/12	348,098,812	326,143,349	-6%	580,683,875	557,084,587	-4%	232,585,063	230,941,238	-1%
01/01	349,651,376			583,239,928			233,588,552		
16/01	349,653,193			583,406,350			233,753,157		
01/02	349,676,954			583,827,115			234,150,161		
16/02	349,781,517			584,403,893			234,622,376		
01/03	349,865,021			585,134,831			235,269,810		
16/03	352,035,767			588,555,862			236,520,095		
01/04	357,142,342			596,329,679			239,187,337		

Source: UNICA.

Table 4. Bi-weekly sugar production, ACCUMULATED - results for the South-Central region

Bi-weekly period	SUGAR (tons)								
	São Paulo			South-Central region			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
16/04	499,152	473,618	-5%	707,217	709,798	0%	208,065	236,180	14%
01/05	1,288,587	1,578,682	23%	1,839,645	2,241,455	22%	551,058	662,773	20%
16/05	2,774,749	2,928,893	6%	3,955,364	4,150,075	5%	1,180,615	1,221,182	3%
01/06	3,950,378	3,911,304	-1%	5,714,333	5,491,202	-4%	1,763,955	1,579,898	-10%
16/06	5,625,402	5,325,880	-5%	8,103,848	7,469,710	-8%	2,478,446	2,143,830	-14%
01/07	7,663,597	6,897,194	-10%	11,088,209	9,750,131	-12%	3,424,612	2,852,937	-17%
16/07	9,764,159	8,541,880	-13%	14,202,469	12,137,907	-15%	4,438,310	3,596,027	-19%
01/08	12,087,724	10,324,833	-15%	17,627,026	14,751,348	-16%	5,539,302	4,426,515	-20%
16/08	14,250,383	11,458,695	-20%	20,796,904	16,461,879	-21%	6,546,521	5,003,184	-24%
01/09	15,925,368	13,094,737	-18%	23,342,126	18,836,291	-19%	7,416,758	5,741,554	-23%
16/09	18,067,140	14,582,530	-19%	26,479,524	20,986,834	-21%	8,412,384	6,404,304	-24%
01/10	20,042,414	15,425,271	-23%	29,338,380	22,272,219	-24%	9,295,966	6,846,948	-26%
16/10	21,398,328	16,162,595	-24%	31,328,596	23,392,047	-25%	9,930,268	7,229,452	-27%
01/11	22,697,049	16,792,491	-26%	33,219,435	24,349,031	-27%	10,522,386	7,556,540	-28%
16/11	23,561,654	17,407,245	-26%	34,474,088	25,233,615	-27%	10,912,434	7,826,370	-28%
01/12	24,031,437	17,748,067	-26%	35,201,979	25,761,751	-27%	11,170,542	8,013,684	-28%
16/12	24,363,330	17,980,643	-26%	35,713,229	26,180,330	-27%	11,349,899	8,199,687	-28%
01/01	24,430,763			35,829,362			11,398,599		
16/01	24,430,764			35,832,191			11,401,427		
01/02	24,430,765			35,835,985			11,405,220		
16/02	24,432,455			35,840,607			11,408,152		
01/03	24,434,093			35,845,626			11,411,533		
16/03	24,467,170			35,893,282			11,426,112		
01/04	24,591,393			36,059,507			11,468,114		

Source: UNICA.

Table 5. Bi-weekly ethanol production, ACCUMULATED - results for the South-Central region

Bi-weekly period	ETHANOL TOTAL (m ³)								
	São Paulo			South-Central region			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
16/04	351,700	536,373	53%	686,657	992,001	44%	334,957	455,628	36%
01/05	851,267	1,523,999	79%	1,623,057	2,740,371	69%	771,790	1,216,372	58%
16/05	1,645,530	2,677,699	63%	3,110,451	4,812,929	55%	1,464,921	2,135,230	46%
01/06	2,249,671	3,672,420	63%	4,316,001	6,562,482	52%	2,066,330	2,890,062	40%
16/06	3,045,738	4,869,970	60%	5,826,903	8,710,485	49%	2,781,165	3,840,515	38%
01/07	3,987,819	6,129,040	54%	7,628,425	11,059,676	45%	3,640,606	4,930,636	35%
16/07	4,944,996	7,386,563	49%	9,521,663	13,455,203	41%	4,576,667	6,068,640	33%
01/08	5,981,669	8,748,840	46%	11,610,414	16,069,182	38%	5,628,745	7,320,342	30%
16/08	6,965,294	9,738,304	40%	13,565,781	18,044,138	33%	6,600,487	8,305,834	26%
01/09	7,813,190	11,010,310	41%	15,351,019	20,498,267	34%	7,537,829	9,487,957	26%
16/09	8,889,197	12,193,896	37%	17,463,247	22,753,494	30%	8,574,050	10,559,598	23%
01/10	9,941,160	12,999,491	31%	19,500,482	24,388,600	25%	9,559,322	11,389,109	19%
16/10	10,743,778	13,723,710	28%	21,085,147	25,859,885	23%	10,341,369	12,136,175	17%
01/11	11,532,808	14,383,614	25%	22,661,374	27,259,725	20%	11,128,566	12,876,111	16%
16/11	12,086,945	14,931,081	24%	23,731,610	28,347,004	19%	11,644,665	13,415,923	15%
01/12	12,477,467	15,272,534	22%	24,533,800	29,091,226	19%	12,056,333	13,818,692	15%
16/12	12,773,124	15,576,332	22%	25,033,430	29,783,843	19%	12,260,306	14,207,511	16%
01/01	12,863,285			25,222,823			12,359,538		
16/01	12,864,278			25,265,156			12,400,878		
01/02	12,867,871			25,332,617			12,464,746		
16/02	12,875,040			25,402,630			12,527,590		
01/03	12,880,968			25,477,806			12,596,838		
16/03	12,970,617			25,663,092			12,692,475		
01/04	13,222,807			26,089,458			12,866,651		

Source: UNICA.

Table 6. Bi-weekly anhydrous ethanol production, ACCUMULATED - results for the South-Central region

Bi-weekly period	ANHYDROUS ETHANOL (m ³)								
	São Paulo			South-Central region			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
16/04	92,969	76,638	-18%	162,387	136,867	-16%	69,418	60,229	-13%
01/05	285,301	327,288	15%	496,193	582,645	17%	210,892	255,357	21%
16/05	664,883	706,385	6%	1,139,153	1,240,490	9%	474,270	534,105	13%
01/06	974,460	1,055,816	8%	1,692,993	1,787,578	6%	718,533	731,762	2%
16/06	1,376,947	1,469,978	7%	2,387,476	2,488,157	4%	1,010,529	1,018,179	1%
01/07	1,845,524	1,947,458	6%	3,221,162	3,287,365	2%	1,375,638	1,339,907	-3%
16/07	2,314,464	2,397,750	4%	4,067,108	4,078,100	0%	1,752,644	1,680,350	-4%
01/08	2,833,121	2,898,334	2%	5,006,690	4,942,355	-1%	2,173,569	2,044,021	-6%
16/08	3,312,822	3,262,606	-2%	5,869,440	5,574,326	-5%	2,556,618	2,311,720	-10%
01/09	3,728,658	3,720,362	0%	6,625,568	6,350,680	-4%	2,896,910	2,630,318	-9%
16/09	4,229,318	4,120,032	-3%	7,512,322	7,047,334	-6%	3,283,004	2,927,302	-11%
01/10	4,744,492	4,412,118	-7%	8,408,657	7,541,083	-10%	3,664,165	3,128,965	-15%
16/10	5,146,898	4,672,319	-9%	9,094,173	7,996,614	-12%	3,947,275	3,324,295	-16%
01/11	5,536,038	4,895,798	-12%	9,741,306	8,401,695	-14%	4,205,268	3,505,897	-17%
16/11	5,820,522	5,087,639	-13%	10,206,037	8,759,428	-14%	4,385,515	3,671,789	-16%
01/12	6,004,313	5,188,520	-14%	10,506,721	8,980,245	-15%	4,502,408	3,791,725	-16%
16/12	6,106,760	5,225,329	-14%	10,650,083	9,068,147	-15%	4,543,323	3,842,818	-15%
01/01	6,119,162			10,656,233			4,537,071		
16/01	6,114,799			10,658,043			4,543,244		
01/02	6,081,953			10,608,998			4,527,045		
16/02	6,032,572			10,540,134			4,507,562		
01/03	6,011,419			10,505,907			4,494,488		
16/03	5,970,373			10,435,986			4,465,613		
01/04	5,963,133			10,418,983			4,455,850		

Source: UNICA.

Table 7. Bi-weekly hydrous ethanol production, ACCUMULATED - results for the South-Central region

Bi-weekly period	HYDROUS ETHANOL (m ³)								
	São Paulo			South-Central region			Others states		
	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)	2017/2018	2018/2019	Var. (%)
16/04	258,731	459,735	78%	524,270	855,134	63%	265,539	395,399	49%
01/05	565,966	1,196,711	111%	1,126,864	2,157,726	91%	560,898	961,015	71%
16/05	980,647	1,971,314	101%	1,971,298	3,572,439	81%	990,651	1,601,125	62%
01/06	1,275,211	2,616,604	105%	2,623,008	4,774,904	82%	1,347,797	2,158,300	60%
16/06	1,668,791	3,399,992	104%	3,439,427	6,222,328	81%	1,770,636	2,822,336	59%
01/07	2,142,295	4,181,582	95%	4,407,263	7,772,311	76%	2,264,968	3,590,729	59%
16/07	2,630,532	4,988,813	90%	5,454,555	9,377,103	72%	2,824,023	4,388,290	55%
01/08	3,148,548	5,850,506	86%	6,603,724	11,126,827	68%	3,455,176	5,276,321	53%
16/08	3,652,472	6,475,698	77%	7,696,341	12,469,812	62%	4,043,869	5,994,114	48%
01/09	4,084,532	7,289,948	78%	8,725,451	14,147,587	62%	4,640,919	6,857,639	48%
16/09	4,659,879	8,073,864	73%	9,950,925	15,706,160	58%	5,291,046	7,632,296	44%
01/10	5,196,668	8,587,373	65%	11,091,825	16,847,517	52%	5,895,157	8,260,144	40%
16/10	5,596,880	9,051,391	62%	11,990,974	17,863,271	49%	6,394,094	8,811,880	38%
01/11	5,996,770	9,487,816	58%	12,920,068	18,858,030	46%	6,923,298	9,370,214	35%
16/11	6,266,423	9,843,442	57%	13,525,573	19,587,576	45%	7,259,150	9,744,134	34%
01/12	6,473,154	10,084,014	56%	14,027,079	20,110,981	43%	7,553,925	10,026,967	33%
16/12	6,666,364	10,351,003	55%	14,383,347	20,715,696	44%	7,716,983	10,364,693	34%
01/01	6,744,123			14,566,590			7,822,467		
16/01	6,749,479			14,607,113			7,857,634		
01/02	6,785,918			14,723,619			7,937,701		
16/02	6,842,468			14,862,496			8,020,028		
01/03	6,869,549			14,971,899			8,102,350		
16/03	7,000,244			15,227,106			8,226,862		
01/04	7,259,674			15,670,475			8,410,801		

Source: UNICA.

Table 8. Accumulated and bi-weekly corn ethanol production in 2018/2019 harvest season - results for the South-Central region

Bi-weekly period	BI-WEEKLY values			ACCUMULATED values		
	a. Anhydrous ethanol	b. Hydrous ethanol	Total a+b	a. Anhydrous ethanol	b. Hydrous ethanol	Total a+b
16/04	8,558	18,268	26,826	8,558	18,268	26,826
01/05	7,918	24,124	32,042	16,476	42,392	58,868
16/05	8,726	22,546	31,272	25,202	64,938	90,140
01/06	9,732	17,056	26,788	34,934	81,994	116,928
16/06	4,471	14,804	19,275	39,405	96,798	136,203
01/07	9,256	17,654	26,910	48,661	114,452	163,113
16/07	7,800	16,887	24,687	56,461	131,339	187,800
01/08	9,925	12,943	22,868	66,386	144,282	210,668
16/08	9,424	14,942	24,366	75,810	159,224	235,034
01/09	8,930	17,389	26,319	84,740	176,613	261,353
16/09	9,443	17,008	26,451	94,183	193,621	287,804
01/10	9,864	15,717	25,581	104,047	209,338	313,385
16/10	10,128	13,515	23,643	114,175	222,853	337,028
01/11	6,038	25,581	31,619	120,213	248,434	368,647
16/11	11,419	21,706	33,125	131,632	270,140	401,772
01/12	7,693	26,803	34,496	139,325	296,943	436,268
16/12	6,876	26,724	33,600	146,201	323,667	469,868
01/01						
16/01						
01/02						
16/02						
01/03						
16/03						
01/04						

Source: UNICA.

Table 9. Ethanol sales by mills in South-Central region, per ethanol type and destination (m³).

Product	Month	Total		External market		Domestic market		
		2017/2018	2018/2019	2017/2018	2018/2019	2017/2018	2018/2019	
Total ethanol	Apr	1,732,294	1,915,763	109,043	47,758	1,623,251	1,868,005	
	May	2,129,618	1,991,664	124,756	112,230	2,004,862	1,879,434	
	Jun	2,131,144	2,628,486	149,465	100,033	1,981,679	2,528,453	
	Jul	2,139,588	2,703,410	185,828	253,041	1,953,760	2,450,369	
	Aug	2,396,846	2,945,025	194,116	180,156	2,202,730	2,764,869	
	Sep	2,332,547	2,742,817	157,141	164,938	2,175,406	2,577,879	
	Oct	2,475,397	2,891,036	167,703	154,116	2,307,694	2,736,920	
	Nov	2,344,081	2,616,024	89,953	104,525	2,254,128	2,511,499	
	Dec*	1,166,776	1,311,858	16,792	66,077	1,149,984	1,245,781	
	Jan							
	Feb							
	Mar							
	Total		18,848,291	21,746,083	1,194,797	1,182,874	17,653,494	20,563,209
	Anhydrous ethanol	Apr	768,832	570,265	107,558	35,779	661,274	534,486
May		916,958	613,593	77,653	56,390	839,305	557,203	
Jun		945,011	903,496	105,077	62,380	839,934	841,116	
Jul		976,725	901,675	141,656	153,059	835,069	748,616	
Aug		910,830	906,426	83,865	107,888	826,965	798,538	
Sep		899,613	753,336	116,138	75,639	783,475	677,697	
Oct		931,347	811,846	136,045	95,410	795,302	716,436	
Nov		842,733	745,246	55,554	62,776	787,179	682,470	
Dec*		414,260	373,948	16,492	52,132	397,768	321,816	
Jan								
Feb								
Mar								
Total			7,606,309	6,579,831	840,038	701,453	6,766,271	5,878,378
Hydrous ethanol		Apr	963,462	1,345,498	1,485	11,979	961,977	1,333,519
	May	1,212,660	1,378,071	47,103	55,840	1,165,557	1,322,231	
	Jun	1,186,133	1,724,990	44,388	37,653	1,141,745	1,687,337	
	Jul	1,162,863	1,801,735	44,172	99,982	1,118,691	1,701,753	
	Aug	1,486,016	2,038,599	110,251	72,268	1,375,765	1,966,331	
	Sep	1,432,934	1,989,481	41,003	89,299	1,391,931	1,900,182	
	Oct	1,544,050	2,079,190	31,658	58,706	1,512,392	2,020,484	
	Nov	1,501,348	1,870,778	34,399	41,749	1,466,949	1,829,029	
	Dec*	752,516	937,910	300	13,945	752,216	923,965	
	Jan							
	Feb							
	Mar							
	Total		11,241,982	15,166,252	354,759	481,421	10,887,223	14,684,831

Source: UNICA. Note: Dec* - 1st two-week period.

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Data released in this report has been compiled and analyzed by UNICA, with figures provided by mills and by the following associations of producers from South-Central states:

- *Ethanol and sugar producers association in the state of Paraná (Alcopar);*
- *Bioenergy producers association of Mato Grosso do Sul (Biosul);*
- *Sugar and ethanol industries association in the state of Minas Gerais (SIAMIG);*
- *Association of ethanol industry of Goiás state (SIFAEG);*
- *Sugar and ethanol industry association of Mato Grosso (SINDALCOOL);*
- *Plants and distilleries society of Espírito Santo state (SUDES);*
- *Ethanol and sugar industry association of Rio de Janeiro (SISERJ).*

Data regarding weather and agricultural conditions has been provided by the Center for Sugarcane Technology (CTC).

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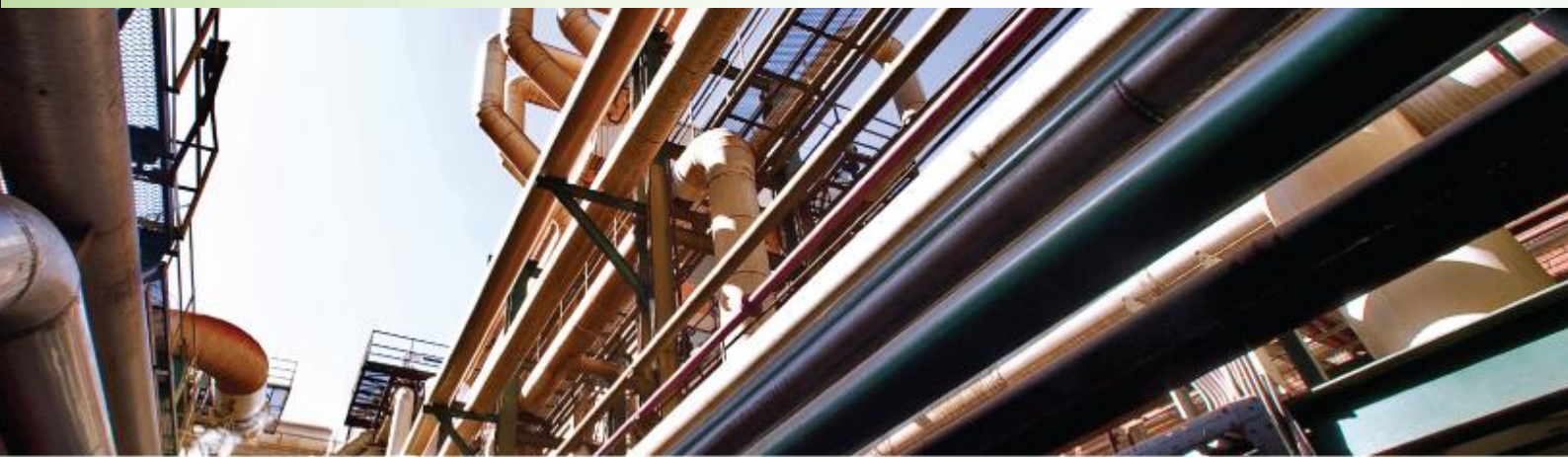
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BIOENERGIA
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CTC
CENTRO DE TECNOLOGIA CANAVIEIRA



BioSul
Associação dos Produtores de Bioenergia
de Mato Grosso do Sul



SIAMIG
BIOENERGIA - ETANOL - AÇÚCAR
Associação das Indústrias Sucroenergéticas de Minas Gerais



SINDALCOOL/MT
SINDICATO DAS INDÚSTRIAS SUCROALCOOLEIRAS
DO ESTADO DE MATO GROSSO

SISERJ

Sindicato da Indústria Sucroenergética
do Estado do Rio de Janeiro

SIFAEG

SINDICATO DA INDÚSTRIA DE FABRICAÇÃO
DE ETANOL DO ESTADO DE GOIÁS
GOIÁS ETHANOL INDUSTRY ASSOCIATION

SIFAÇUCAR

SINDICATO DA INDÚSTRIA DE FABRICAÇÃO
DE AÇÚCAR DO ESTADO DE GOIÁS
GOIÁS SUGAR INDUSTRY ASSOCIATION

SUDES