



HARVEST 2023/2024

Harvest update of South-Central region **Bi-weekly** Bulletin

Position until 11/16/2023



Table 1. 2023/2024 harvest season: accumulated production until November 16, 2023

Product	South-Central region			São Paulo			Others states			
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	
Sugarcane ¹	517,785	595,398	⬆️ 14.99%	300,729	348,696	⬆️ 15.95%	217,057	246,702	⬆️ 13.66%	
Sugar ¹	32,016	39,412	⬆️ 23.10%	21,674	26,336	⬆️ 21.51%	10,342	13,076	⬆️ 26.44%	
Anhydrous ethanol ²	10,748	11,683	⬆️ 8.69%	5,576	5,798	⬆️ 3.99%	5,172	5,885	⬆️ 13.77%	
Hydrous ethanol ²	15,045	16,933	⬆️ 12.55%	5,825	6,460	⬆️ 10.91%	9,220	10,473	⬆️ 13.59%	
Total ethanol ²	25,793	28,616	⬆️ 10.95%	11,401	12,259	⬆️ 7.52%	14,392	16,358	⬆️ 13.66%	
TRS ¹	73,092	83,709	⬆️ 14.52%	42,263	48,610	⬆️ 15.02%	30,829	35,099	⬆️ 13.85%	
TRS/ ton of sugarcane ³	141.16	140.59	⬆️ -0.40%	140.54	139.41	⬆️ -0.80%	142.03	142.27	⬆️ 0.17%	
Share %	sugar	45.97%	49.41%	⬆️	53.82%	56.86%	⬆️	35.21%	39.10%	⬆️
	ethanol	54.03%	50.59%	⬆️	46.18%	43.14%	⬆️	64.79%	60.90%	⬆️
Liters of ethanol/ ton of sugarcane	44.69	41.69	⬆️ -6.70%	37.91	35.16	⬆️ -7.27%	54.07	50.94	⬆️ -5.80%	
Kg of sugar/ ton of sugarcane	61.83	66.19	⬆️ 7.06%	72.07	75.53	⬆️ 4.80%	47.65	53.00	⬆️ 11.24%	

Table 2. 2023/2024 harvest season: BI-WEEKLY values (1nd two-week period of November, 2023)

Product	South-Central region			São Paulo			Others states		
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)
Sugarcane ¹	26,324	34,772	⬆️ 32.09%	16,324	22,077	⬆️ 35.24%	10,001	12,696	⬆️ 26.95%
Sugar ¹	1,673	2,190	⬆️ 30.92%	1,180	1,526	⬆️ 29.31%	492	664	⬆️ 34.79%
Anhydrous ethanol ²	672	649	⬆️ -3.41%	341	337	⬆️ -1.13%	331	312	⬆️ -5.77%
Hydrous ethanol ²	599	989	⬆️ 65.18%	255	422	⬆️ 65.43%	344	567	⬆️ 65.00%
Total ethanol ²	1,270	1,638	⬆️ 28.92%	596	759	⬆️ 27.36%	674	878	⬆️ 30.30%
TRS ¹	3,611	4,614	⬆️ 27.76%	2,263	2,899	⬆️ 28.11%	1,348	1,715	⬆️ 27.18%
TRS/ ton of sugarcane ³	137.18	132.69	⬆️ -3.28%	138.64	131.33	⬆️ -5.27%	134.81	135.06	⬆️ 0.18%
Share %	sugar	48.61%	49.81%	⬆️	54.73%	55.25%	⬆️	40.63%	⬆️
	ethanol	51.39%	50.19%	⬆️	45.27%	44.75%	⬆️	59.37%	⬆️
Liters of ethanol/ ton of sugarcane	41.09	39.05	⬆️ -4.95%	36.53	34.40	⬆️ -5.83%	48.53	47.15	⬆️ -2.85%
Kg of sugar/ ton of sugarcane	63.54	62.98	⬆️ -0.88%	72.30	69.13	⬆️ -4.39%	49.24	52.28	⬆️ 6.18%

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			Other states		
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)
16/04	1,645,300	7,182,000	337%	5,287,706	13,855,374	162%	3,642,406	6,673,374	83%
01/05	14,681,891	19,503,058	33%	29,302,234	35,291,920	20%	14,620,343	15,788,862	8%
16/05	34,275,371	46,205,559	35%	63,591,994	79,852,312	26%	29,316,623	33,646,753	15%
01/06	59,940,628	74,119,961	24%	107,384,320	126,624,673	18%	47,443,692	52,504,712	11%
16/06	83,048,645	97,009,377	17%	146,057,467	167,295,039	15%	63,008,822	70,285,662	12%
01/07	107,304,501	121,315,155	13%	188,139,245	210,491,114	12%	80,834,744	89,175,959	10%
16/07	134,290,240	149,690,980	11%	234,558,202	259,036,534	10%	100,267,962	109,345,554	9%
01/08	162,879,156	180,805,581	11%	283,682,083	312,133,331	10%	120,802,927	131,327,750	9%
16/08	184,857,624	209,193,538	13%	322,481,051	360,077,524	12%	137,623,427	150,883,986	10%
01/09	211,075,796	236,805,427	12%	366,689,630	406,529,224	11%	155,613,834	169,723,797	9%
16/09	233,650,873	261,893,834	12%	406,333,230	448,311,269	10%	172,682,357	186,417,435	8%
01/10	247,661,416	288,369,591	16%	431,631,416	493,139,756	14%	183,970,000	204,770,165	11%
16/10	264,914,277	306,356,172	16%	459,482,764	525,978,678	14%	194,568,487	219,622,506	13%
01/11	284,404,971	326,619,471	15%	491,461,046	560,625,556	14%	207,056,075	234,006,085	13%
16/11	300,728,833	348,696,261	16%	517,785,450	595,397,908	15%	217,056,617	246,701,647	14%
01/12									
16/12									
01/01									
16/01									
01/02									
16/02									
01/03									
16/03									
01/04									

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			Other states		
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)
16/04	38,221	300,253	686%	131,347	541,750	312%	93,126	241,497	159%
01/05	621,659	953,516	53%	1,065,621	1,541,567	45%	443,962	588,051	32%
16/05	1,740,500	2,678,978	54%	2,744,762	4,083,157	49%	1,004,262	1,404,179	40%
01/06	3,324,058	4,662,644	40%	5,063,258	7,008,290	38%	1,739,200	2,345,646	35%
16/06	4,814,517	6,316,457	31%	7,211,099	9,568,155	33%	2,396,582	3,251,698	36%
01/07	6,507,437	8,059,756	24%	9,716,338	12,271,456	26%	3,208,901	4,211,700	31%
16/07	8,509,962	10,242,990	20%	12,693,172	15,525,966	22%	4,183,210	5,282,976	26%
01/08	10,743,812	12,710,977	18%	16,000,772	19,215,302	20%	5,256,960	6,504,325	24%
16/08	12,487,783	15,052,498	21%	18,634,359	22,678,405	22%	6,146,576	7,625,907	24%
01/09	14,643,159	17,392,569	19%	21,782,355	26,134,889	20%	7,139,196	8,742,320	22%
16/09	16,563,350	19,528,951	18%	24,653,685	29,251,095	19%	8,090,335	9,722,144	20%
01/10	17,684,463	21,789,277	23%	26,352,638	32,612,466	24%	8,668,175	10,823,189	25%
16/10	18,991,669	23,214,455	22%	28,194,745	34,864,913	24%	9,203,076	11,650,458	27%
01/11	20,493,479	24,809,969	21%	30,342,864	37,222,255	23%	9,849,385	12,412,286	26%
16/11	21,673,717	26,336,133	22%	32,015,557	39,412,192	23%	10,341,840	13,076,059	26%
01/12									
16/12									
01/01									
16/01									
01/02									
16/02									
01/03									
16/03									
01/04									

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			Other states		
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)
16/04	69,113	253,748	267%	394,383	784,254	99%	325,270	530,506	63%
01/05	532,095	648,564	22%	1,495,450	1,782,100	19%	963,355	1,133,536	18%
16/05	1,270,683	1,520,474	20%	3,152,732	3,734,066	18%	1,882,049	2,213,592	18%
01/06	2,217,105	2,500,333	13%	5,188,928	5,856,638	13%	2,971,823	3,356,305	13%
16/06	3,055,910	3,278,775	7%	7,014,250	7,760,565	11%	3,958,340	4,481,790	13%
01/07	3,950,211	4,059,074	3%	9,044,865	9,707,759	7%	5,094,654	5,648,685	11%
16/07	4,964,666	5,019,099	1%	11,275,135	11,976,538	6%	6,310,469	6,957,439	10%
01/08	6,067,078	6,082,643	0%	13,698,947	14,440,697	5%	7,631,869	8,358,054	10%
16/08	6,950,243	7,095,445	2%	15,713,615	16,787,481	7%	8,763,372	9,692,036	11%
01/09	7,970,171	8,118,912	2%	17,971,124	19,089,822	6%	10,000,953	10,970,910	10%
16/09	8,878,145	9,045,378	2%	20,098,761	21,216,133	6%	11,220,616	12,170,755	8%
01/10	9,444,301	10,034,255	6%	21,528,002	23,439,812	9%	12,083,701	13,405,557	11%
16/10	10,072,622	10,739,546	7%	22,915,081	25,185,502	10%	12,842,459	14,445,956	12%
01/11	10,804,474	11,499,118	6%	24,522,564	26,978,267	10%	13,718,090	15,479,149	13%
16/11	11,400,780	12,258,557	8%	25,792,998	28,616,075	11%	14,392,218	16,357,518	14%
01/12									
16/12									
01/01									
16/01									
01/02									
16/02									
01/03									
16/03									
01/04									

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			Other states		
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)
16/04	-25,582	106,227	-515%	12,151	286,660	2259%	37,733	180,433	378%
01/05	122,577	274,636	124%	242,907	636,708	162%	120,330	362,072	201%
16/05	440,863	700,914	59%	833,914	1,475,989	77%	393,051	775,075	97%
01/06	847,941	1,188,134	40%	1,612,825	2,395,979	49%	764,884	1,207,845	58%
16/06	1,248,645	1,595,095	28%	2,361,630	3,279,911	39%	1,112,985	1,684,816	51%
01/07	1,685,519	2,000,019	19%	3,221,487	4,158,586	29%	1,535,968	2,158,567	41%
16/07	2,172,124	2,466,657	14%	4,170,376	5,123,249	23%	1,998,252	2,656,592	33%
01/08	2,687,351	2,968,453	10%	5,174,457	6,107,106	18%	2,487,106	3,138,653	26%
16/08	3,120,567	3,423,408	10%	6,026,340	7,029,897	17%	2,905,773	3,606,489	24%
01/09	3,626,676	3,893,168	7%	6,973,625	7,920,099	14%	3,346,949	4,026,931	20%
16/09	4,088,677	4,331,935	6%	7,876,458	8,787,708	12%	3,787,781	4,455,773	18%
01/10	4,446,644	4,760,959	7%	8,570,314	9,620,849	12%	4,123,670	4,859,890	18%
16/10	4,823,186	5,089,882	6%	9,280,616	10,318,069	11%	4,457,430	5,228,187	17%
01/11	5,234,843	5,461,044	4%	10,076,700	11,034,120	10%	4,841,857	5,573,076	15%
16/11	5,575,933	5,798,287	4%	10,748,368	11,682,879	9%	5,172,435	5,884,592	14%
01/12									
16/12									
01/01									
16/01									
01/02									
16/02									
01/03									
16/03									
01/04									

Source: UNICA.

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

Bi-weekly period	ETANOL HIDRATADO (m³)								
	São Paulo			South-Central region			Other states		
	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)	2022/2023	2023/2024	Var. (%)
16/04	94,695	147,521	56%	382,232	497,594	30%	287,537	350,073	22%
01/05	409,518	373,928	-9%	1,252,543	1,145,392	-9%	843,025	771,464	-8%
16/05	829,820	819,560	-1%	2,318,818	2,258,077	-3%	1,488,998	1,438,517	-3%
01/06	1,369,164	1,312,199	-4%	3,576,103	3,460,659	-3%	2,206,939	2,148,460	-3%
16/06	1,807,265	1,683,680	-7%	4,652,620	4,480,654	-4%	2,845,355	2,796,974	-2%
01/07	2,264,692	2,059,055	-9%	5,823,378	5,549,173	-5%	3,558,686	3,490,118	-2%
16/07	2,792,542	2,552,442	-9%	7,104,759	6,853,289	-4%	4,312,217	4,300,847	0%
01/08	3,379,727	3,114,190	-8%	8,524,490	8,333,591	-2%	5,144,763	5,219,401	1%
16/08	3,829,676	3,672,037	-4%	9,687,275	9,757,584	1%	5,857,599	6,085,547	4%
01/09	4,343,495	4,225,744	-3%	10,997,499	11,169,723	2%	6,654,004	6,943,979	4%
16/09	4,789,468	4,713,443	-2%	12,222,303	12,428,425	2%	7,432,835	7,714,982	4%
01/10	4,997,657	5,273,296	6%	12,957,688	13,818,963	7%	7,960,031	8,545,667	7%
16/10	5,249,436	5,649,664	8%	13,634,465	14,867,433	9%	8,385,029	9,217,769	10%
01/11	5,569,631	6,038,074	8%	14,445,864	15,944,147	10%	8,876,233	9,906,073	12%
16/11	5,824,847	6,460,270	11%	15,044,630	16,933,196	13%	9,219,783	10,472,926	14%
01/12									
16/12									
01/01									
16/01									
01/02									
16/02									
01/03									
16/03									
01/04									

Source: UNICA.

Table 8. Accumulated and bi-weekly corn ethanol production in 2023/2024 harvest season - results for the South-Central regi

Bi-weekly period	BI-WEEKLY values (m ³)			ACCUMULATED values (m ³)		
	<i>a. Anhydrous ethanol</i>	<i>b. Hydrous ethanol</i>	Total <i>a+b</i>	<i>a. Anhydrous ethanol</i>	<i>b. Hydrous ethanol</i>	Total <i>a+b</i>
16/04	90,356	149,132	239,488	90,356	149,132	239,488
01/05	70,503	127,166	197,669	160,859	276,298	437,157
16/05	122,479	147,052	269,531	283,338	423,350	706,688
01/06	85,927	138,933	224,860	369,265	562,283	931,548
16/06	125,122	133,375	258,497	494,387	695,658	1,190,045
01/07	96,454	147,735	244,189	590,841	843,393	1,434,234
16/07	143,519	125,171	268,690	734,360	968,564	1,702,924
01/08	119,226	129,040	248,266	853,586	1,097,604	1,951,190
16/08	127,078	154,943	282,021	980,664	1,252,547	2,233,211
01/09	74,742	161,789	236,531	1,055,406	1,414,336	2,469,742
16/09	141,586	143,742	285,328	1,196,992	1,558,078	2,755,070
01/10	91,127	147,327	238,454	1,288,119	1,705,405	2,993,524
16/10	98,466	151,324	249,790	1,386,585	1,856,729	3,243,314
01/11	93,019	175,597	268,616	1,479,604	2,032,326	3,511,930
16/11	110,223	169,572	279,795	1,589,827	2,201,898	3,791,725
01/12						
16/12						
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	
		2022/2023	2023/2024	2022/2023	2023/2024	2022/2023	2023/2024
Total ethanol	Apr	2,212,937	2,100,740	107,034	127,182	2,105,903	1,973,558
	May	2,356,702	2,422,564	106,112	99,591	2,250,590	2,322,973
	Jun	2,476,034	2,562,403	288,702	149,382	2,187,332	2,413,021
	Jul	2,494,266	2,537,011	150,330	290,678	2,343,936	2,246,333
	Aug	2,705,626	2,945,315	233,390	340,723	2,472,236	2,604,592
	Sep	2,675,962	2,760,799	349,787	185,077	2,326,175	2,575,722
	Oct	2,533,427	2,885,894	271,539	221,518	2,261,888	2,664,376
	Nov*	1,138,878	1,262,181	34,124	41,735	1,104,754	1,220,446
	Dec						
	Jan						
	Feb						
	Mar						
	Total	18,593,832	19,476,907	1,541,018	1,455,886	17,052,814	18,021,021
Anhydrous ethanol	Apr	802,544	872,423	69,763	36,419	732,781	836,004
	May	888,877	1,106,692	50,782	66,044	838,095	1,040,648
	Jun	1,031,320	1,142,485	194,923	53,935	836,397	1,088,550
	Jul	1,049,023	1,212,642	113,987	184,891	935,036	1,027,751
	Aug	1,208,949	1,148,505	132,782	145,668	1,076,167	1,002,837
	Sep	1,144,591	1,004,113	209,537	77,427	935,054	926,686
	Oct	1,109,492	1,043,296	167,498	83,016	941,994	960,280
	Nov*	497,797	486,425	30,547	30,629	467,250	455,796
	Dec						
	Jan						
	Feb						
	Mar						
	Total	7,732,593	8,016,581	969,819	678,029	6,762,774	7,338,552
Hydrous ethanol	Apr	1,410,393	1,228,317	37,271	90,763	1,373,122	1,137,554
	May	1,467,825	1,315,872	55,330	33,547	1,412,495	1,282,325
	Jun	1,444,714	1,419,918	93,779	95,447	1,350,935	1,324,471
	Jul	1,445,243	1,324,369	36,343	105,787	1,408,900	1,218,582
	Aug	1,496,677	1,796,810	100,608	195,055	1,396,069	1,601,755
	Sep	1,531,371	1,756,686	140,250	107,650	1,391,121	1,649,036
	Oct	1,423,935	1,842,598	104,041	138,502	1,319,894	1,704,096
	Nov*	641,081	775,756	3,577	11,106	637,504	764,650
	Dec						
	Jan						
	Feb						
	Mar						
	Total	10,861,239	11,460,326	571,199	777,857	10,290,040	10,682,469

Source: UNICA. Note: 1st two-week period of November.

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

- *Sugar and ethanol industries association in the state of Minas Gerais (SIAMIG)*
- *Bioenergy producers association of Mato Grosso do Sul (BIOSUL)*
- *Ethanol and sugar producers association in the state of Paraná (ALCOPAR)*
- *Bioenergy industry association of Mato Grosso (BIOIND^{MT})*
- *Association of ethanol industry of Goiás state (SIFAEG)*
- *Ethanol and sugar industry association of Rio de Janeiro (SISERJ)*
- *Plants and distilleries Society of Espírito Santo state (SUDES)*

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

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