



Guatemalan Sugarcane
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SUGARCANE PRODUCER COUNTRIES

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CONTENT

Table 1: Sugarcane producer countries.....	2
North, Central America and the Caribbean	
South America	
Africa	
Asia	
Oceania	
Variables by country	
The three most important varieties	
Sugarcane Area	
Number of mills	
Harvest season	
Sugar exports 1999/2000	
Sugar Production 1990/1991, 1999/2000	
Table 2: Variety programs.....	3
Table 3: Leading varieties.....	3
Table 4: Dependency of one variety.....	3
Table 5: Sugarcane area.....	3
Table 6: Number of mills.....	3
Table 7: Harvest season.....	4
Table 8: Largest exporters.....	4
Table 9: Largest producers.....	4
Table 10: Increase in sugar production.....	4
Table 11: Increase percentage	4

PRESENTATION

For the up coming XXIV ISSCT Congress, the following data is from the world's main sugarcane producer countries.

The references used are Sugarcane variety notes, 2001 by Rossi, G., for the variables varieties, sugarcane area and number of mills and F.O. Licht world sugar statistics 2001 for the Harvest, sugar exports and sugar production.

The program varieties with the larger distribution in countries are: Canal Point Florida Varieties CP, Barbados Varieties B, India Varieties Co.

The most distributed varieties in diverse countries are: CP72-2086, NCo376, N14 and R570.

Countries with a larger dependency of just one variety are: Ecuador, Zimbabwe and Reunion

According to the area reported by Rossi, the sugarcane area harvested by Brazil is larger than the total extension of many sugarcane countries for example: Barbados, Belize, El Salvador, Jamaica and Trinidad.

The sugarcane production growth for the past decade was headed by Brazil.

It will be appreciated corrections or update data by e-mail.

Table 1. Sugarcane Producer Countries

COUNTRY	VARIETIES (Area %) ¹	SUGARCANE AREA (ha) (YEAR) ²	NUMBER OF MILLS ³	HARVEST (months) ³	SUGAR EXPORTS 1999/2000 (1000 MT, RV) ³	SUGAR PRODUCTION 1990/1991 (1000 MT, RV) ³	SUGAR PRODUCTION 1999/2000 (1000 MT, RV) ³	INCREASE PERCENTAGE %
NORTH AMERICA, CENTRAL AMERICA AND THE CARIBBEAN								
Bahamas	E 77-502 (22), B82238 (16), B74541 (13)	1 157 (1999)	3	02/07	44.8	67	58	-13.43
Belize	B82238 (35), CP72-1312 (16), B828267 (11)	25 000 (1990)	1	12/07	-	108	127	17.59
Costa Rica	SP72-1284 (23), Q96 (10), SP71-5574 (7)	5 100 (1990)	18	12/07	120.7	264	351	32.95
Cuba	CS73-86 (20), Ja60-5 (14), C1051-73 (8)	1 500 000 (2000)	157	11/06	3 430.7	7729	4134	-46.51
Dominican Republic	CR74250 (43), BR8230 (12), CR6101 (9)	65 906 (1999)	13	12/11	125.5	592	467	-21.11
El Salvador	CP72-2086 (22), PR1013 (18), PINDAR (18)	84 259 (1995/96)	9	11/05	200.1	273	506	85.35
Guatemala	CP72-2086 (85), Mex68P23 (9), CP72-1210 (7)	181 216 (1999/99)	17	11/06	1 090.3	1011	1466	45.00
Guatemala	R570 (43), B47258 (13), B80689 (13)	12 500 (1999)	2	02/06	-	58	75	29.31
Honduras	PR1013 (15), NA56-79 (14), CP72-2086 (11)	46 328 (1996/97)	8	11/06	60.1	180	306	62.96
Jamaica	B77504 (29), BJ7015 (19), BJ7405 (16)	42 114 (1999)	8	11/06	171.1	228	216	-5.26
Mexico	Mex66-290 (24), CP72-2086 (16), Mex68P23 (12)	661 414 (1998/99)	62	11/09	440.0	3943	4954	26.40
Nicaragua	-	-	7	11/06	178.9	217	408	88.02
Panama	J955-5 (35), Ragnar (20), B76-249 (12)	27 179 (1995/96)	5	01/05	62.3	131	168	28.24
Trinidad	B41227 (28), B774209 (26), B80689 (16)	12 102 (1999)	2	01/06	89.7	104	120	15.38
USA Continental	LCF 85-384, CP 80-1743, CP 72-2086	361 148 (1999/2000)	26	10/04	131.9	2116	3412	61.25
SOUTH AMERICA								
Argentina	CP66-187 (20), Tuc77-42 (12), NA63-90 (11)	321 000 (1999/00)	23	05/12	199.2	1351	1715	26.94
Bolivia	NA56-26 (72), CIMCA77-316 (11), Co421 (8)	65 803 (1993)	5	05/11	52.8	258	305	18.22
Brazil	R872454 (19), SP79-1011 (10), SP70-1143 (7)	3 214 000 (1999/00)	189	05/04	6 450.1	7922	20296	157.06
Colombia	CC65-92 (23), MZC74-275 (21), V51-71 (19)	151 898 (1999)	13	01/12	661.2	1633	2225	36.25
Ecuador	Ragnar Morada (86), B7316 (6), PR1059 (4)	52 701 (1997)	5	06/12	67.1	355	395	11.27
Guyana	DB7889 (31), DB66113 (15), DB75159 (13)	41 298 (1999)	8	01/12	279.1	168	280	66.67
Paraguay	SP70-1143 (30), Tuc2683 (18), Tuc56-19 (17)	44 500 (1998)	8	07/11	12.0	82	109	32.93
Peru	-	-	14	01/12	37.7	585	700	19.66
Venezuela	PR60 (12), PR61632 (10), Ragnar (7)	105 000 (1990)	16	09/08	40.0	516	535	3.68
AFRICA								
Angola	-	-	3	06/10	-	26	32	23.08
Cameroon	-	-	3	12/06	-	77	54	-29.87
Congo	-	-	1	05/11	-	23	60	160.87
Egypt	-	-	9	12/06	150.0	969	1028	6.09
Ethiopia	-	-	3	10/06	78.7	155	275	77.42
Ivory Coast	-	-	6	11/04	38.0	152	165	8.55
Kenya	Co 545 (29), Co421 (18), Co1148 (11)	117 657 (1999/00)	7	01/12	33.2	472	486	3.39
Madagascar	-	-	5	06/10	33.6	118	85	-27.97
Malawi	N14 (84), N19 (10), NCo376 (7)	20 410 (2000)	2	04/12	49.5	210	261	24.29
Mali	-	-	2	10/04	-	32	30	-6.25
Mauritius	R570 (39), M3035/96 (17), M1658/78 (14)	77 000 (1998)	18	06/12	447.7	661	306	-40.09
Morocco	L62-93 (32), CP65-357 (24), CP66-346 (16)	22 250 (1998)	3	05/08	-	111	126	13.51
Mozambique	-	-	6	05/12	-	32	51	59.38
Reunion	R 570 (73), R 579 (16), R 577 (5)	27 000 (1999)	2	06/01	-	209	234	11.96
Senegal	N14 (25), SP70-1284 (20), Co6806 (15)	7 548 (1998)	1	11/05	-	90	98	8.89
South Africa	N12 (32), NCo376 (24), N14 (13)	424 000 (1999)	19	05/02	1 147.3	2142	2532	18.21
Sudan	Co6806 (53), Co527 (32), Co997 (7)	32 390 (1999)	5	11/04	265.0	485	722	48.87
Swaziland	NCo376 (58), N14 (13), N19 (11)	37 500 (1996)	3	05/12	295.9	527	543	3.04
Tanzania	-	-	5	06/01	4.0	111	117	5.41
Uganda	-	-	3	01/12	-	46	125	171.74
Zaire	-	-	1	06/12	-	69	65	-34.34
Zambia	N14 (48), N19 (18), NCo376 (14)	15 200 (2000)	1	04/12	77.1	134	208	55.22
Zimbabwe	NCo376 (76), N14 (17), ZN1L (2)	30 888 (2000)	2	04/12	105.2	343	565	64.72
ASIA								
Bangladesh	-	-	17	10/05	-	267	136	-49.06
China	CGD10, CGD16, CGD19	-	227	09/01	348.0	5206	6723	28.14
India	Co, CoJ, CoLK	397 000 (1998)	431	10/09	146.9	13093	19780	51.07
Indonesia	M442/51 (25), F154 (6), F156 (6)	342 210 (1999/00)	67	05/12	3.0	2311	1623	-29.77
Iran	-	-	2	10/04	-	173	248	43.35
Japan	NF 8 (37), F177 (25), Ni 9 (8)	27 640 (1998/99)	21	12/05	3.6	240	193	-19.58
Malaysia	TC4 (47), TC5 (17), TC6 (17)	8 900 (1997)	4	01/12	246.3	95	110	15.79
Nepal	-	-	11	07/06	-	41	45	9.76
Pakistan	Co 1148, BL 4, CP 65-357	936 800 (95/97)	72	10/07	626.5	2075	2622	26.36
Philippines	Ph80-13 (21), Ph86-07 (18), Ph87-44 (10)	307 366 (1999)	37	03/08	130.0	1790	1685	-6.34
Sri Lanka	Co778 (58), M436-59 (36), NCo339 (2)	15 000 (1996)	4	03/10	-	24	21	-12.50
Taiwan	ROC10 (36), ROC18 (25), ROC15 (14)	40 458 (1999/00)	14	11/08	2.4	448	293	-34.60
Thailand	K84-200 (35), Ph86-07 (13), U-thong 1 (8)	927 000 (1999)	46	11/05	3 759.3	4055	5814	43.38
Vietnam	R570 (25)	90 000 (2000)	9	10/05	95.0	475	1102	132.00
OCEANIA								
Australia	Q124 (43), Q117 (8), Q96 (8)	508 000 (1999/00)	28	06/01	3 830.2	3612	5530	53.10
Fr	Mána (56), Mah (14), Ragnar (8)	72 500 (1994)	4	06/03	506.9	424	362	-7.55

SOURCES:

1. ROSSI MACHADO, JR., GUILHERME. Sugarcane Variety Notes. Brazil, 2001.

2. F. O. LICHT. World Sugar Statistics 2001.

3. MT = metric tonnes RV = raw value

Table 2. Variety programs with largest distribution in countries

Program		
Acronym	Country	Countries
B	Barbados	Barbados, Belize, Ecuador, Guadeloupe, Guyana, Jamaica, Panama, Trinidad
Co	Coimbatore, India	Bolivia, India, Kenya, Pakistan, Senegal, Sri-Lanka, Sudan
CP	Canal Point, USA	Argentina, Belize, El Salvador, Guatemala, Honduras, Mexico, Morocco, Pakistan, USA
M	Mauritius	Indonesia, Mauritius, Sri-Lanka
N	South Africa	Malawi, Senegal, South Africa, Swaziland, Zambia, Zimbabwe
NCo	South Africa	Malawi, South Africa, Zambia, Zimbabwe
PR	Puerto Rico	El Salvador, Honduras, Ecuador, Venezuela
R	Reunion (France)	Guadeloupe, Reunion, Mauritius, Vietnam
SP	Brazil	Costa Rica, Brazil, Paraguay, Senegal

Table 3. Leading varieties in two or more Countries

Variety	Country
Co421	Bolivia, Kenya
Co527	India, Sudan
Co1148	India, Kenya, Pakistan
Co6806	Senegal, Sudan
CP65-357	Argentina, Morocco, Pakistan
CP72-2086	El Salvador, Guatemala, Honduras, México, USA
Ja60-5	Cuba, Panama
N14	Malawi, Senegal, South Africa, Swaziland, Zambia, Zimbabwe
N19	Malawi, Swaziland, Zambia
NCo376	Malawi, South Africa, Swaziland, Zambia, Zimbabwe
PR1013	El Salvador, Honduras
Q96	Australia, Costa Rica
R570	Guadeloupe, Mauritius, Reunion, Vietnam
Ragnar	Ecuador, Panama, Venezuela
SP70-1143	Brazil, Paraguay
SP70-1284	Costa Rica, Senegal

Table 4. Countries with a larger dependency of one variety

Country	Variety	(% area)
Ecuador	Ragnar	(86)
Zimbabwe	NCo376	(76)
Reunion	R570	(73)
Bolivia	NA56-26	(72)
Guatemala	CP72-2086	(65)
Swaziland	NCo376	(58)
Sri-Lanka	Co795	(58)
Fiji	Mana	(56)
Malawi	N14	(54)
Sudan	Co6806	(53)

Table 5. Countries with the largest sugarcane area

Country	Area (ha)
1 India	3,970,000
2 Brazil	3,214,000
3 China	
4 Cuba	1,500,000
5 Pakistan	938,800
6 Thailand	927,000
7 Mexico	661,414
8 Australia	508,000
9 South Africa	424,000
10 USA Continental	361,248

Table 6. Number of mills

Country	Number of Mills
1 India	431
2 China	227
3 Brazil	189
4 Cuba	157
5 Pakistan	72
6 Indonesia	67
7 Mexico	62
8 Thailand	46
9 Philipines	37
10 Australia	28

Table 7. Countries with an all year harvest season

	Country
1	Colombia
2	Guyana
3	Peru
4	Kenya
5	Uganda
6	India
7	Malasya

Table 8. Largest exporters 1999/2000

	Country	MT (1000)
1	Brazil	8,450.1
2	Australia	3,830.2
3	Cuba	3,430.7
4	Thailand	3759.3
5	South Africa	1,147.3
6	Guatemala	1,090.3
7	Colombia	861.2
8	Pakistan	626.5
9	Mauritius	447.7
10	Mexico	440.0

Table 9. Largest producers 1999/2000

	Country	MT (1000)
1	Brazil	20,390.00
2	India	19,780.00
3	China	6,723.00
4	Thailand	5,814.00
5	Australia	5,530.00
6	Mexico	4,984.00
7	Cuba	4,134.00
8	USA	3,412.00
9	Pakistan	2,622.00
10	South Africa	2,532.00

Table 10. Countries with the largest increase in sugar production 1990/91 to 1999/2000

	Country	MT (1000)
1	Brazil	12,458
2	India	6,687
3	Australia	1,918
4	Thailand	1,759
5	China	1,517
6	USA	1,296
7	Mexico	1,041
8	Vietnam	627
9	Colombia	592
10	Pakistan	547

Table 11. Countries with the largest increase percentage of sugar production 1990/1991 to 1999/2000

	Country	%
1	Uganda	171.74
2	Congo	160.87
3	Brazil	157.06
4	Vietnam	132.00
5	Nicaragua	88.02
6	El Salvador	85.35
7	Ethiopia	77.42
8	Guyana	66.67
9	Zimbabwe	64.72
10	Honduras	62.96