



INTERNATIONAL COFFEE ORGANIZATION
ORGANIZACIÓN INTERNACIONAL DEL CAFÉ
ORGANIZAÇÃO INTERNACIONAL DO CAFÉ
ORGANISATION INTERNATIONALE DU CAFÉ

ICC 105-6

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Estudo

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Conselho Internacional do Café
105^a sessão
22 – 24 setembro 2010
Londres, Inglaterra

Custos de produção

Antecedentes

1. No contexto de seu programa de atividades, a Organização dedica particular atenção à coleta de dados estatísticos relevantes sobre o setor cafeeiro mundial.
2. Em abril de 2010 o Diretor-Executivo solicitou a todos os Membros da Organização que lhe encaminhassem dados sobre custos de produção nos anos-safra de 2000/01 a 2009/10. Os quadros anexos apresentam as respostas recebidas dos seguintes países: Brasil, Colômbia, Costa Rica, Equador e Quênia. Para fins comparativos, as informações que figuram em todos os quadros são apresentadas em dólares dos EUA por 60 kg. As cifras recebidas em moeda nacional foram convertidas para o dólar dos EUA à taxa de câmbio que se indica nos respectivos quadros. Os totais podem não corresponder à soma das parcelas devido a arredondamento ou a discrepâncias nos dados recebidos.
3. Solicita-se aos Membros que ainda não forneceram dados que o façam tão logo quanto possível.

Ação

Solicita-se ao Conselho que tome nota deste documento.

PRODUCTION COSTS

Country: **BRAZIL** (Guaxupé, Minas Gerais)

Type of coffee: **NATURAL ARABICA**

Unit: **US\$/60-kg**

CROP YEAR	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
A - CULTIVATION COSTS							
1 - Operations with machinery	0.78	0.86	2.08	2.46	2.80	2.68	0.00
2 - Hiring of machinery/services	0.00	0.00	0.00	0.00	0.00	0.00	8.51
3 - Seasonal labour (including social security)	11.90	14.57	30.50	30.00	37.36	34.90	83.80
4 - Fixed labour (including social security)	9.43	11.66	19.89	19.57	24.64	23.02	0.91
5 - Seedlings	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 - Fertilizers	11.26	14.70	13.22	13.02	17.03	23.40	25.33
7 - Crop protection products	5.60	6.47	7.09	6.33	7.52	8.31	12.72
8 - Bags and other items	3.24	3.43	3.20	3.40	3.70	3.75	0.00
9 - Administrative expenses	0.00	0.00	0.00	0.00	0.00	0.00	2.99
10 - Other items	0.00	0.00	0.00	0.00	0.00	0.00	1.87
Total Cultivation Costs (A)	42.21	51.69	75.98	74.78	93.05	96.06	136.13
B - POST-HARVEST EXPENSES							
1 - Drying + processing + external transportation	2.13	2.62	0.50	0.50	0.62	0.58	2.41
2 - Insurance of production	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 - Rural social security tax	0.00	0.00	0.00	0.00	0.00	0.00	3.26
Total Post-Harvest Expenses (B)	2.13	2.62	0.50	0.50	0.62	0.58	5.67
C - FINANCIAL EXPENSES							
1 - Interest	1.47	1.60	2.56	1.84	1.88	1.97	5.44
Total Financial Expenses (C)	1.47	1.60	2.56	1.84	1.88	1.97	5.44
D - VARIABLE COSTS (A+B+C)	45.81	55.91	79.05	77.11	95.55	98.62	147.24
E - DEPRECIATION							
1 - Depreciation of installations	0.12	0.17	1.02	1.10	1.38	0.39	0.47
2 - Depreciation of implements	0.07	0.10	0.13	0.13	0.16	0.12	0.00
3 - Depreciation of machinery	0.25	0.28	0.43	0.43	0.52	0.48	0.00
4 - Depreciation of coffee plantation	8.35	9.82	11.12	11.13	14.34	13.39	11.61
Total Depreciation (E)	8.80	10.37	12.69	12.80	16.40	14.39	12.07
F - OTHER FIXED COSTS							
1 - Periodic maintenance of machinery	0.14	0.15	0.21	0.20	0.25	0.23	0.03
2 - Insurance of fixed capital	0.03	0.04	0.15	0.15	0.19	0.08	0.05
3 - Social security contributions	0.00	0.00	0.00	0.00	0.00	0.00	0.54
Total Other Fixed Costs (F)	0.17	0.19	0.35	0.36	0.44	0.31	0.62
G - FIXED COSTS (E+F)	8.97	10.56	13.05	13.15	16.84	14.70	12.70
H - OPERATING COSTS (fixed + variable costs)	54.78	66.47	92.09	90.27	112.39	113.31	159.94
I - RETURN ON INVESTMENT							
1 - Expected return on fixed capital	0.34	0.44	2.34	2.49	3.12	1.21	0.44
2 - Expected return on coffee plantation	0.26	0.30	0.34	0.34	0.44	0.41	0.35
3 - Land	3.28	3.34	4.14	4.47	5.19	4.85	5.88
Total Return on Investment (I)	3.87	4.09	6.83	7.30	8.76	6.47	6.67
J - TOTAL COSTS (H+I = J)	58.65	70.55	98.92	97.57	121.15	119.79	166.61
Exchange rate	2.93	2.87	2.32	2.15	1.85	1.98	1.87

Note: Data are also available on production costs for the following regions: Franca, Luis Eduardo Magalhães, Patrocínio and S. Sebastião do Paraíso (2003/04 to 2009/10); Londrina and Manhuaçu (2007/08 to 2009/10) - on request from the Secretariat.

PRODUCTION COSTS

Country: BRAZIL (São Gabriel da Palha, Espírito Santo)

Type of coffee: NATURAL ROBUSTA (CONILLON)

Unit: US\$/60-kg

CROP YEAR	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
A - CULTIVATION COSTS							
1 - Operations with machinery (irrigation equipment)	0.67	0.72	0.90	1.29	3.08	1.40	6.50
2 - Hiring of machinery/services	0.00	0.00	0.00	0.00	0.68	0.00	0.00
3 - Seasonal labour (inc. social security)	4.27	4.36	4.31	4.65	16.86	5.05	25.72
4 - Fixed labour (inc. social security)	9.83	11.40	16.21	18.87	12.11	20.49	0.64
5 - Seedlings	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 - Fertilizers	3.31	5.55	6.73	6.73	11.33	9.59	16.21
7 - Crop protection products	4.74	5.78	6.41	5.19	2.24	6.14	2.86
8 - Bags and other items	1.38	2.01	2.75	2.98	3.31	3.71	0.00
9 - Administrative expenses	0.00	0.00	0.00	0.00	0.00	0.00	2.81
10 - Other items	0.00	0.00	0.00	0.00	0.00	0.00	4.28
Total Cultivation Costs (A)	24.19	29.82	37.31	39.71	49.62	46.37	59.01
B - POST-HARVEST EXPENSES							
1 - Drying + processing + external transportation	5.76	5.88	8.35	8.54	0.54	9.28	9.09
2 - Insurance of production	0.00	0.00	0.00	0.00	0.00	1.11	0.00
3 - Rural social security tax	0.00	0.00	0.00	0.00	0.00	2.09	2.09
Total Post-Harvest Expenses (B)	5.76	5.88	8.35	8.54	0.54	12.48	11.18
C - FINANCIAL EXPENSES							
1 - Interest	2.42	2.65	3.73	2.91	3.39	2.82	2.15
Total Financial Expenses (C)	2.42	2.65	3.73	2.91	3.39	2.82	2.15
D - VARIABLE COSTS (A+B+C)	32.38	38.36	49.39	51.16	53.55	61.68	72.34
E - DEPRECIATION							
1 - Depreciation of installations	1.31	1.33	1.67	2.01	2.18	2.18	2.48
2 - Depreciation of implements	0.00	0.00	0.00	0.00	0.00	0.00	0.43
3 - Depreciation of machinery	0.00	0.00	0.00	0.00	0.00	0.00	3.56
4 - Depreciation of coffee plantation	2.90	3.60	3.84	5.42	6.55	4.29	4.49
Total Depreciation (E)	4.21	4.93	5.51	7.43	8.74	6.47	10.96
F - OTHER FIXED COSTS							
1 - Periodic maintenance of machinery	0.00	0.00	0.00	0.00	0.00	0.00	1.29
2 - Insurance of fixed capital	0.00	0.00	0.00	0.00	0.00	0.00	0.44
3 - Social security contributions	0.00	0.00	0.00	0.00	0.00	0.00	0.37
Total Other Fixed Costs (F)	0.00	0.00	0.00	0.00	0.00	0.00	2.10
G - FIXED COSTS (E+F)	4.21	4.93	5.51	7.43	8.74	6.47	13.06
H - OPERATING COSTS (fixed + variable costs)	36.59	43.29	54.91	58.60	62.28	68.15	85.41
I - RETURN ON INVESTMENT							
1 - Expected return on fixed capital	0.00	0.00	0.00	0.00	0.00	0.00	3.52
2 - Expected return on coffee plantation	0.09	0.11	0.12	0.17	0.20	0.13	0.27
3 - Land	0.89	0.91	1.12	1.21	1.62	1.31	2.33
Total Return on Investment (I)	0.98	1.02	1.24	1.38	1.82	1.44	6.12
J - TOTAL COSTS (H+I = J)	37.57	44.31	56.14	59.97	64.10	69.60	91.52
Exchange rate	2.93	2.87	2.32	2.15	1.85	1.98	1.87

Note: Data are also available on production costs for the following regions: Pinheiros (2008/09-2009/10); Ji-Paraná and R. Moura (2007/08-2009/10) - on request from the Secretariat.

PRODUCTION COSTS

Country: COLOMBIA

Type of coffee: WASHED ARABICA

Unit: US\$/60-kg

YEAR	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Installation	2.26	1.93	1.57	1.60	2.21	2.96	3.44	3.76	3.76	4.26
Planting & weeding	11.09	10.57	9.58	6.64	7.79	8.29	9.47	10.93	10.71	12.28
Fertilizer	10.93	11.79	11.81	14.35	17.18	20.70	23.19	35.97	32.83	29.84
Sanitary control	7.57	6.83	5.87	7.58	8.76	9.43	10.73	12.47	12.05	13.64
Harvesting and processing	36.59	32.34	27.09	32.09	33.74	53.56	60.78	65.72	59.22	70.37
Other tasks	3.37	2.59	1.81	1.28	1.53	1.57	1.80	2.01	1.93	2.22
Subtotal	71.80	66.05	57.77	63.55	80.80	96.54	109.41	130.82	123.79	132.60
Labour	55.12	51.62	45.64	42.37	55.20	64.14	72.85	80.02	76.13	86.42
Inputs	16.68	14.43	12.13	21.19	25.60	32.40	36.56	50.81	47.65	46.18
Subtotal	71.80	66.05	57.77	63.55	80.80	96.54	109.41	130.82	123.79	132.60

PRODUCTION COSTS

Country: COSTA RICA
Type of coffee: WASHED ARABICA
Unit: US\$/60-kg

CROP YEAR	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Labour	21.27	21.25	26.37	26.60	28.09	30.81	34.46	36.78	39.21
Labour	14.74	14.65	18.15	18.29	19.19	20.92	23.38	24.92	26.53
Social security contributions	6.52	6.60	8.22	8.31	8.90	9.90	11.08	11.86	12.68
Materials & Transportation	20.12	19.13	14.95	16.57	17.33	19.24	23.35	33.81	30.50
Nursery (renovation)	0.94	0.94	2.38	2.84	3.23	2.33	2.48	2.83	2.97
Fertilizer (NPK)	6.22	5.78	5.08	6.16	6.42	7.31	9.55	14.96	13.60
Fertilizer (NH ₄ NO ₃)	2.30	2.14	2.87	3.49	3.44	3.31	4.40	8.09	6.65
Calcium carbonate	0.67	0.64	0.00	0.00	0.00	1.45	1.60	1.57	2.03
Fungicides 1/	1.71	1.61	1.83	1.84	1.84	2.07	2.15	2.15	2.14
Foliar Nutrients 1/	1.51	1.48	1.57	1.02	1.02	1.03	1.09	1.25	1.24
Herbicides 1/	1.20	1.15	0.69	0.63	0.73	0.69	0.87	1.72	0.80
Insecticides-Nematicides	3.59	3.41							
Transportation of Materials	1.51	1.58	0.53	0.59	0.66	1.05	1.20	1.25	1.06
Transportation (fertilizers & calcium)			0.29	0.32	0.36	0.81	0.92	0.96	0.82
Transportation (seedling)			0.24	0.27	0.30	0.24	0.28	0.29	0.24
Other inputs	0.45	0.39							
Cost Technological Package	41.38	40.38	41.33	43.18	45.43	50.06	57.81	70.59	69.71
Harvest:									
Harvesting of coffee	26.49	24.91	23.79	27.40	31.98	35.20	43.86	42.54	40.98
Transportation of Coffee	3.22	2.97	2.26	2.52	2.79	2.99	3.41	3.56	3.02
Cost of Harvest	29.71	27.89	26.05	29.92	34.78	38.20	47.28	46.10	44.00
Other indirect costs:	28.83	28.36	20.77	22.55	24.30	21.02	22.97	25.65	25.65
Soil exhaustion	8.83	8.73	8.34	9.79	10.52	10.80	12.16	14.28	14.47
Depreciation	4.77	4.63	8.86	9.17	10.05	6.77	7.12	7.48	7.20
Maintenance	2.38	2.32	1.21	1.25	1.36	0.95	1.03	1.09	1.06
Administrative expenses	12.86	12.68	2.37	2.34	2.37	2.49	2.66	2.79	2.92
Total Cost	99.92	96.62	88.14	95.65	104.51	109.28	128.06	142.34	139.35

1/ From 2003/04 fungicide refers specifically to triazol; foliar nutrients to zinc; and herbicide to glyphosate

NB: Change in methodology from 2003/04 onwards and change in statistical base from 2006/07 onwards.

PRODUCTION COSTS

Country: ECUADOR
Type of coffee: WASHED ARABICA
Unit: US\$/60-kg

CROP YEAR	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Labour	30.09	30.09	30.09	30.78	29.65	36.33	38.69	41.16	42.40	39.92
Inputs & Others	16.20	16.20	16.20	16.57	18.10	18.30	21.76	28.02	41.07	31.24
TOTAL	46.30	46.30	46.30	47.35	47.75	54.63	60.45	69.18	83.47	71.16

PRODUCTION COSTS

Country: KENYA (smallholder sub-sector)

Type of coffee: WASHED ARABICA

Unit: US\$/60-kg

CROP YEAR	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Field expenses	53.01	53.80	53.34	70.45	106.55	69.06	85.12	50.80	50.31
Crop expenses	5.22	5.22	5.34	5.25	5.31	5.63	5.97	6.25	5.24
Processing cost	40.40	40.36	41.32	40.61	41.06	43.57	46.17	48.35	49.55
Interest on working capital	0.78	0.78	0.80	0.79	0.80	0.84	0.90	0.94	0.79
Total cost	99.42	100.16	100.80	117.10	153.71	119.12	138.16	106.35	105.89

Country: KENYA (Estate sub-sector)

Type of coffee: WASHED ARABICA

Unit: US\$/60-kg

CROP YEAR	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Field expenses	31.36	31.37	31.79	40.94	41.39	41.65	51.74	37.12	36.24
Crop expenses	26.48	26.49	26.84	34.57	34.95	35.17	43.68	31.34	30.60
Processing cost	64.12	65.63	64.52	65.22	69.22	73.35	76.81	64.41	65.32
Interest on working capital	6.01	6.01	6.09	7.85	7.93	7.98	9.91	7.11	6.94
Total cost	127.97	129.50	129.24	148.58	153.48	158.15	182.15	139.98	139.11