

Table (Add table number): Production factors for Cote d'ivoire.

Cost of production	Area Harvested	Land available	Area Equipped for Irrigation	Technology input	Price of Cocoa	GDP
615.95	2000000	2800	73	0.7	228650	646.66
782.33	1777550	2800	73	0.41	250000	663.64
1201.22	1880000	2800	73	0.5	281120	718.45
1599.90	2000000	2800	73	0.51	300000	875.09
552.12	2050000	2800	73	0.55	300000	929.89
803.72	2193548	2800	73	0.52	300000	942.22
925.02	2281290	2800	73	0.54	350000	962.92
976.57	2372542	2900	73	0.56	375000	1078.54
1441.70	2300000	2900	73	0.50	400000	1257.68
1610.23	2176162	2900	73	0.48	400000	1233.3
2587.64	2308453	2900	73	0.40	400000	1236.08
2574.16	2690468	2900	73	0.42	400000	1253.91
2329.12	2741142	2900	73	0.37	400000	1283.61
2394.99	2724080	2900	73	0.34	200000	1448.74
2265.73	2748357	2900	73	0.31	200000	1545.96
2183.44	2745075	2900	73	0.28	200000	1643.18
2101.14	2748682	2900	73	0.25	200000	1740.4

Source: FAO, 2017

Factors affecting Price for Cote d'ivore

Year	Price of Cocoa	Price of Oil	Price of competitive commodity	GDP	Inflation	Exchange Rate	Quantity of production	Yield /ha
2000	228650	27.6	917.5	646.66	2.530775167	711.9763	1401101	7006
2001	250000	23.12	762.8	663.64	4.36152914	733.0385	1212428	6821
2002	281120	24.36	580.9	718.45	3.077264852	696.9882	1264708	6727
2003	300000	28.1	660.8	875.09	3.29680747	581.2003	1351546	6758
2004	300000	36.05	645.9	929.89	1.457988356	528.2848	1407213	6864
2005	300000	50.59	658	942.22	3.885830399	527.4681	1286330	5864
2006	350000	61	857.8	962.92	2.467191486	522.8901	1408854	6176
2007	375000	69.04	1204.5	1078.54	1.892006293	479.2668	1229908	5184
2008	400000	94.1	1414.8	1257.68	6.308527692	447.8053	1382441	6011
2009	400000	60.86	1348.1	1233.3	1.019504577	472.1863	1223153	5621
2010	400000	77.38	1536.7	1236.08	1.226456121	495.277	1301347	5637
2011	400000	107.46	1786.9	1253.91	4.912433951	471.8661	1511255	5617
2012	400000	109.45	1747.8	1283.61	1.304511199	510.5271	1485882	5421
2013	200000	105.87	1582	1448.74	2.581170373	494.04	1448992	5319
2014	200000	96.29	1475.8	1545.96	0.45303046	494.415	1434077	5218
2015	200000	49.49	1429.1	1643.18	1.237443262	591.4495	2748357	5218

2016	200000	40.68	1429.1	1740.4	0.811702892	591.4495	2748357	5218
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Source: FAO, 2017

Table (Add table number): Production factors for Ghana.

Cost of production	Land available for production	Area Harvested	Area Equiped for Irrigation	Technology input	Price of Cocoa	GDP
180.08	14430	1500000	31	0.59	944	424.19
188.80	14510	1350000	31	0.55	1778	441.46
266.17	14631	1195000	32	0.53	3330	499.37
503.40	14835	1500000	32	0.64	4000	602.4
736.67	15100	2000000	33	0.62	5330	682.95
734.09	15100	1850000	33	0.58	12000	804.06
732.43	15300	1835000	34	0.52	14000	929.78
602.82	15400	1463000	34	0.58	26660	1098.97
776.63	15600	1822500	34	0.61	52160	1234.13
828.40	15600	1600000	34	0.71	80260	1095.5
1060.76	15620	1600200	34	0.67	101250	1323.08
1270.70	15720	1600300	34	0.69	153750	1587.13
1296.65	15700	1600300	34	0.67	160000	1641.8
1210.93	15700	1600300	36	0.66	160000	1827.15
1328.88	15700	1600300	36	0.65	160000	1387.88
1376.52	15700	1600300	39	0.64	230000	1507.89
1424.17	15700	1600300	45	0.63	230000	1466.65

Source: FAO, 2017

Factors affecting Price for Ghana

Year	Cocoa Price	Pice of Oil	Price of competitive commodity	Inflatio n	Exchange Rate	Quantity of production	Yield /ha
2000	944	27.6	917.5	25.19	0.54	436600	2911

2001	1778	23.12	762.8	32.91	0.72	389591	2886
2002	3330	24.36	580.9	14.82	0.79	340562	2850
2003	4000	28.1	660.8	26.67	0.87	497000	3313
2004	5330	36.05	645.9	12.62	0.90	737000	3685
2005	12000	50.59	658	15.12	0.91	740000	4000
2006	14000	61	857.8	10.92	0.92	734000	4000
2007	26660	69.04	1204.5	10.73	0.94	614500	4200
2008	52160	94.1	1414.8	16.52	1.06	680781	3735
2009	80260	60.86	1348.1	19.25	1.41	710638	4441
2010	101250	77.38	1536.7	10.71	1.43	632037	3950
2011	153750	107.46	1786.9	8.73	1.51	700020	4374
2012	160000	109.45	1747.8	9.16	1.80	879348	5495
2013	160000	105.87	1582	11.61	1.95	835466	5221
2014	160000	96.29	1475.8	15.49	3.03	858720	5100
2015	230000	49.49	1429.1	17.15	3.77	858720	5100
2016	230000	40.68	1429.1	20.29	3.77	858720	5100

Source: FAO, 2017

Table (Add table number): Production factors for Indonesia

Government expenditure	Cost of production	Land available for production	Harvested Area	Area Equiped for Irrigation	Technology input	Price of Cocoa	GDP
10105.71	420.16	47177	749917	5500	0.28	460800	830.58
295.64	445.26	47700	765405	5745	0.28	522400	796.61
620.96	605.60	48181	776901	6000	0.28	1319809	958.39
643.21	773.64	51006	961107	6250	0.33	1331906	1134.63
627.96	753.20	53366	1090960	6500	0.35	1025514	1224.81
742.59	696.02	51846	1167046	6722.3	0.37	852775	1345.26
47430.74	746.58	51500	905730	6722	0.40	852775	1693.1
37214.3	853.48	53000	923968	6722	0.42	963630	1981.05
48042.15	1170.46	54000	1425216	6722	0.45	1137000	2308.18
55204.39	1294.07	55600	1587136	6722	0.47	1668600	2409.18
101632.6	1756.74	55600	1651539	6722	0.50	2427800	3125.22
90219.49	1564.76	56500	1732600	6722	0.52	1719300	3647.63
114609.7	1444.19	56500	1852900	6722	0.55	1396300	3700.52
147576.81	1302.97	57000	1740600	6722	0.57	1331000	3623.53
158697.97	1146.69	57000	1727400	6722	0.60	1331000	3491.93
157559.25	998.51	57000	1648133	6722	0.62	1331000	3360.33
149483.07	850.32	57000	1585383	6722	0.65	1331000	3228.73

Source: FAO, 2017

Factors affecting Price for Indonesia

Year	Price of Cocoa	Price of Oil	Price of competitive commodity	Exchange Rate	Inflation	Quantity of production	Yield /ha
2000	460800	27.6	917.5	8421.775	3.72	421142	5616
2001	522400	23.12	762.8	10260.85	11.50	536804	7013
2002	1319809	24.36	580.9	9311.1917	11.88	619192	7970
2003	1331906	28.1	660.8	8577.1333	6.59	695361	7235
2004	1025514	36.05	645.9	8938.85	6.24	691704	6340
2005	852775	50.59	658	9704.7417	10.45	748827	6416
2006	852775	61	857.8	9159.3167	13.11	769386	8495
2007	963630	69.04	1204.5	9141	6.41	740006	8009
2008	1137000	94.1	1414.8	9698.9625	9.78	803593	5638
2009	1668600	60.86	1348.1	10389.9375	4.81	809583	5101
2010	2427800	77.38	1536.7	9090.4333	5.13	844626	5114
2011	1719300	107.46	1786.9	8770.4333	5.36	712200	4111
2012	1396300	109.45	1747.8	9386.6292	4.28	740500	3996
2013	1331000	105.87	1582	10461.24	6.41	720900	4142
2014	1331000	96.29	1475.8	11865.2113	6.39	728400	4217
2015	1331000	49.49	1429.1	13389.4129	6.36	728400	4217
2016	1331000	40.68	1429.1	13389.4129	6.34	728400	4217

Source: FAO, 2017