

**Table A1: GDP by Kind of Economic Activity, Constant Prices (constant 1994 K billion)**

<i>Industry (Sector)</i>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009*
Agriculture, Forestry and Fishing	429.9	418.9	411.7	432.5	450.8	448.3	458.2	460.2	472.0	505.6
Agriculture	212.6	200.0	187.3	202.3	214.7	206.0	212.3	206.6	210.5	236.6
Forestry	134.7	140.5	146.5	152.8	159.4	165.2	167.4	173.6	180.0	186.5
Fishing	82.5	78.4	77.9	77.3	76.8	77.2	78.5	79.9	81.4	82.6
Mining and Quarrying	160.4	182.9	212.9	220.2	250.9	270.8	290.6	301.2	308.7	357.3
Metal Mining	155.2	178.5	209.1	216.0	245.1	262.5	286.2	298.7	306.3	354.9
Other mining and quarrying	5.2	4.4	3.8	4.2	5.8	8.2	4.5	2.4	2.3	2.4
<b>PRIMARY SECTOR</b>	<b>590.3</b>	<b>601.8</b>	<b>624.6</b>	<b>652.7</b>	<b>701.7</b>	<b>719.1</b>	<b>748.8</b>	<b>761.4</b>	<b>780.6</b>	<b>862.9</b>
Manufacturing	262.7	273.7	289.4	311.4	325.9	335.3	354.6	365.2	371.7	381.0
Food, Beverages and Tobacco	155.7	164.0	172.8	187.7	198.6	205.7	224.0	241.1	248.4	259.3
Textile, and leather industries	45.8	46.8	49.7	51.3	50.3	48.9	48.2	38.8	29.7	24.1
Wood and wood products	19.2	20.3	21.9	24.4	25.4	26.3	26.5	27.5	30.8	32.8
Paper and Paper products	7.5	7.8	8.0	8.6	8.9	9.8	9.8	9.9	12.8	13.9
Chemicals, Rubber and Plastic products	21.9	22.8	25.1	26.4	28.6	29.5	30.9	32.2	33.9	34.4
Non-metallic mineral products	4.6	4.8	4.9	5.6	6.4	6.9	6.5	6.7	7.0	7.6
Basic metal products	1.4	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.7	1.7
Fabricated metal products	6.5	6.0	5.8	6.1	6.4	6.8	7.2	7.7	7.5	7.2
Electricity, Gas and Water	72.9	82.1	77.8	78.1	76.8	81.0	89.5	90.4	89.3	97.0
Construction	123.6	137.8	161.8	196.8	237.1	287.3	328.7	394.4	428.5	495.2
<b>SECONDARY SECTOR</b>	<b>459.2</b>	<b>493.6</b>	<b>529.0</b>	<b>586.3</b>	<b>639.8</b>	<b>703.6</b>	<b>772.7</b>	<b>850.0</b>	<b>889.6</b>	<b>973.2</b>
Wholesale and Retail trade	456.6	481.2	505.4	536.4	563.1	576.7	588.1	602.4	617.4	635.9
Restaurants, Bars and Hotels	48.2	60.0	62.9	67.2	71.5	79.9	92.8	101.7	106.8	91.3
Transport, Storage and Communications	157.7	162.1	165.1	173.0	184.1	204.4	249.4	297.3	344.2	354.8
Rail Transport	10.3	11.1	11.8	10.8	10.7	9.4	9.2	7.5	5.9	4.1
Road Transport	76.8	77.3	78.8	81.9	85.3	90.7	96.5	102.6	116.2	131.7
Air Transport	27.8	30.8	28.2	29.3	34.6	38.3	51.2	63.5	72.2	51.2
Communications	42.7	42.9	46.3	51.0	53.5	65.9	92.6	123.8	149.9	167.8
Financial Intermediaries and Insurance	205.4	205.6	212.7	220.0	227.7	235.1	244.6	254.6	276.6	290.3
Real Estate and Business services	238.2	246.6	257.4	267.6	278.2	287.1	296.2	305.4	314.8	324.6
Community, Social and Personal Services	192.8	203.9	207.3	210.5	211.7	235.9	257.0	289.1	322.9	344.8
Public Admin. & Defence; Public & Sanitary services	109.4	110.5	109.4	109.6	109.9	116.7	106.6	122.3	125.0	112.1
Education	50.2	57.0	61.0	62.8	63.0	77.0	104.1	118.3	141.4	173.3
Health	12.6	14.7	14.8	15.2	15.1	14.7	15.5	15.7	18.5	19.1
Recreation, Religious, Culture	8.0	8.8	8.6	9.0	9.3	12.5	15.4	16.8	21.3	23.1
Personal Services	12.6	13.0	13.5	13.9	14.4	14.9	15.4	16.0	16.5	17.1
<b>TERTIARY SECTOR</b>	<b>1,298.9</b>	<b>1,359.3</b>	<b>1,410.8</b>	<b>1,474.8</b>	<b>1,536.3</b>	<b>1,619.1</b>	<b>1,728.1</b>	<b>1,850.5</b>	<b>1,982.8</b>	<b>2,041.8</b>
Less: FISIM	(121.8)	(124.9)	(128.1)	(131.3)	(134.6)	(138.0)	(141.6)	(145.1)	(148.8)	(152.6)
<b>TOTAL GROSS VALUE ADDED</b>	<b>2,226.7</b>	<b>2,329.9</b>	<b>2,436.3</b>	<b>2,582.4</b>	<b>2,743.2</b>	<b>2,903.7</b>	<b>3,108.2</b>	<b>3,316.7</b>	<b>3,504.2</b>	<b>3,725.3</b>
Taxes less subsidies on Products	270.9	289.9	270.4	263.1	256.1	255.8	248.0	247.3	261.3	277.8
<b>TOTAL G.D.P. AT MARKET PRICES</b>	<b>2,497.6</b>	<b>2,619.8</b>	<b>2,706.7</b>	<b>2,845.492</b>	<b>2,999.3</b>	<b>3,159.5</b>	<b>3,356.1</b>	<b>3,564.0</b>	<b>3,765.4</b>	<b>4,003.0</b>
Real growth rates	3.5	4.9	3.3	5.1	5.4	5.3	6.2	6.2	5.7	6.3

Source: CSO

**Table A2: GDP by Kind of Economic Activity, Current Prices (K billion)**

<i>Industry (Sector)</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009*</i>
Agriculture, Forestry and Fishing	2,002.2	2,582.0	3,247.4	4,244.6	5,568.2	6,723.6	7,800.2	9,139.5	10,863.8	13,469.9
Agriculture	561.1	627.3	749.8	1,008.2	1,249.5	1,421.7	1,537.0	1,575.1	1,826.4	2,377.1
Forestry	1,285.0	1,778.5	2,274.3	2,960.3	3,998.5	4,920.3	5,855.7	7,127.7	8,531.6	10,498.2
Fishing	156.1	176.3	223.3	276.1	320.2	381.6	407.5	436.7	505.8	594.6
Mining and Quarrying	416.1	518.9	575.1	564.8	809.6	1,030.9	1,612.5	2,037.2	2,227.6	805.4
Metal Mining	407.9	511.3	568.8	558.2	798.3	1,011.7	1,597.5	2,027.2	2,217.4	802.1
Other Mining and Quarrying	8.2	7.6	6.3	6.6	11.3	19.1	15.0	9.9	10.2	3.3
<b>PRIMARY SECTOR</b>	<b>2,418.4</b>	<b>3,101.0</b>	<b>3,822.5</b>	<b>4,809.4</b>	<b>6,377.7</b>	<b>7,754.5</b>	<b>9,412.8</b>	<b>11,176.7</b>	<b>13,091.4</b>	<b>14,275.3</b>
Manufacturing	1,024.6	1,293.1	1,693.6	2,241.0	2,827.7	3,430.2	4,015.7	4,487.4	5,125.0	6,011.3
Food, Beverages and Tobacco	613.9	768.4	1,033.4	1,397.2	1,726.6	2,121.0	2,423.5	2,745.1	3,185.4	3,852.5
Textile, and Leather Industries	180.4	224.2	284.5	352.9	450.7	500.4	630.8	611.4	506.7	440.9
Wood and Wood Products	64.1	89.9	118.4	164.7	222.2	273.4	323.2	393.5	509.2	644.9
Paper and Paper products	40.0	55.1	69.0	93.1	123.6	162.4	191.3	226.1	337.3	436.1
Chemicals, rubber and plastic products	85.8	111.3	142.6	178.9	231.7	281.2	331.2	372.4	432.6	520.5
Non-metallic mineral products	14.3	18.5	21.9	30.0	41.0	51.8	55.3	61.1	70.8	91.4
Basic metal products	3.2	2.9	2.8	3.1	4.0	4.7	6.9	8.0	10.4	3.3
Fabricated metal products	22.9	23.0	21.0	21.0	27.7	35.2	53.6	69.9	72.7	21.6
Electricity, Gas and Water	328.0	445.3	488.3	595.1	694.7	922.7	1,165.9	1,345.0	1,512.4	1,804.9
Construction	500.5	728.6	1,067.7	1,590.0	2,321.5	3,216.4	4,703.7	6,692.7	8,811.4	12,468.2
<b>SECONDARY SECTOR</b>	<b>1,853.1</b>	<b>2,466.9</b>	<b>3,249.6</b>	<b>4,426.1</b>	<b>5,843.9</b>	<b>7,569.2</b>	<b>9,885.3</b>	<b>12,525.1</b>	<b>15,448.8</b>	<b>20,284.4</b>
Wholesale and Retail trade	1,879.8	2,340.5	3,004.1	3,873.8	4,843.7	5,868.9	6,524.7	7,395.5	8,523.5	10,037.0
Restaurants, Bars and Hotels	207.0	315.9	406.8	527.7	670.9	894.0	1,120.1	1,354.2	1,604.7	1,516.7
Transport, Storage and Communications	635.7	852.6	1,055.9	1,058.2	1,252.3	1,395.6	1,629.2	1,984.4	2,248.9	2,312.9
Rail Transport	54.9	72.7	82.7	89.5	100.8	93.8	94.7	91.9	79.0	59.7
Road Transport	255.2	311.3	334.3	393.9	464.0	543.0	640.4	755.7	891.8	1,052.6
Air Transport	99.0	133.7	129.7	152.7	203.0	243.8	356.0	488.6	573.4	419.4
Communications	226.6	334.9	509.1	422.1	484.6	515.0	538.2	648.3	704.8	781.2
Financial Intermediaries and Insurance	982.2	1,238.8	1,493.1	1,847.7	2,282.7	2,771.5	3,246.9	3,647.2	4,510.3	5,577.7
Real Estate and Business services	660.6	832.8	1,041.2	1,341.2	1,691.8	1,979.4	2,296.4	2,678.2	3,137.7	3,686.2
Community, Social and Personal Services	951.3	1,297.1	1,478.4	1,828.9	2,122.8	2,806.9	3,462.2	4,324.1	5,465.1	6,641.8
Public Administration and Defence	500.1	610.2	646.8	752.2	797.3	1,002.2	983.0	1,258.3	1,446.1	1,482.8
Education	256.1	394.3	496.9	688.6	867.7	1,254.2	1,842.6	2,335.3	3,092.8	4,097.4
Health	107.0	175.5	203.6	252.4	292.8	338.8	389.9	445.2	576.9	650.8
Recreation, Religious, Culture	36.4	52.7	48.5	29.1	31.7	50.3	67.1	81.8	114.7	134.5
Personal services	51.7	64.4	82.7	106.6	133.3	161.5	179.6	203.5	234.6	276.2
<b>TERTIARY SECTOR</b>	<b>5,316.6</b>	<b>6,877.8</b>	<b>8,479.5</b>	<b>10,477.5</b>	<b>12,864.2</b>	<b>15,716.4</b>	<b>18,279.4</b>	<b>21,383.6</b>	<b>25,490.1</b>	<b>29,772.3</b>
Less: FISIM	(564.4)	(711.9)	(858.1)	(1,061.8)	(1,311.8)	(1,592.8)	(1,865.9)	(2,096.0)	(2,592.0)	(3,205.4)
<b>TOTAL GROSS VALUE ADDED</b>	<b>9,023.6</b>	<b>11,733.7</b>	<b>14,693.6</b>	<b>18,651.2</b>	<b>23,774.0</b>	<b>29,447.4</b>	<b>35,711.6</b>	<b>42,989.4</b>	<b>51,438.4</b>	<b>61,126.6</b>
Taxes less subsidies on Products	1,097.7	1,460.0	1,630.8	1,899.9	2,219.1	2,594.2	2,849.2	3,205.4	3,640.4	3,199.5
<b>TOTAL G.D.P. AT MARKET PRICES</b>	<b>10,121.3</b>	<b>13,193.7</b>	<b>16,324.4</b>	<b>20,551.1</b>	<b>25,993.1</b>	<b>32,041.5</b>	<b>38,560.8</b>	<b>46,194.8</b>	<b>55,078.8</b>	<b>64,326.1</b>
GDP per capita [Thousand Kwacha]	1,034	1,308	1,568	1,913	2,344	2,800	3,268	3,799	4,397	4,988
Period average exchange rate (BOZ)	3,112	3,611	4,307	4,733	4,779	4,463	3,602	4,003	3,746	5,046
GDP in US\$ Million	3,253	3,654	3,790	4,342	5,439	7,179	10,705	11,541	14,703	12,748
population	9,791,981	10,089,492	10,409,441	10,744,380	11,089,691	11,441,461	11,798,678	12,160,516	12,525,791	12,896,830
GDP per capita (US\$)	332	362	364	404	490	627	907	949	1,174	988

Source: CSO

Agper-Statannex-1.xls - GDP current prices, 16/03/2010 16:37

**Table A3: Zambia: Exchange rates ZMK/USD**

Year	Average	End-of-Period
1991	65	89
1992	172	360
1993	453	500
1994	669	680
1995	864	956
1996	1,208	1,283
1997	1,314	1,415
1998	1,862	2,299
1999	2,388	2,632
2000	3,111	4,158
2001	3,611	3,830
2002	4,399	4,334
2003	4,733	4,645
2004	4,779	4,771
2005	4,464	3,509
2006	3,603	4,407
2007	4,003	3,845
2008	3,746	4,832
2009	5,046	4,641
2010	4,650	

Source: 1991-2009: IMF International Financial Statistics  
2010: Oanda, Average January / February 2010

**Table A4: Zambia: Consumer Price Index, Food and Non-Food Ite**  
(1994 Weights, 1994 = 100)

Period (average)	Annual Average of Index			Inflation rate (change of annual average of index)		
	Total	Food	Non-Food	Total	Food	Non-Food
Weight	1000	571	429			
1990	4.3	4.0	4.8			
1991	8.6	7.7	9.8	100.0%	92.5%	104.2%
1992	22.8	23.2	22.4	165.1%	201.3%	128.6%
1993	64.7	66.2	62.7	183.8%	185.3%	179.9%
1994	100.0	100.0	100.0	54.6%	51.1%	59.5%
1995	134.9	135.2	134.5	34.9%	35.2%	34.5%
1996	193.0	192.7	193.4	43.1%	42.5%	43.8%
1997	240.2	234.0	248.3	24.5%	21.4%	28.4%
1998	298.9	291.5	308.7	24.4%	24.6%	24.3%
1999	379.0	357.3	407.7	26.8%	22.6%	32.1%
2000	477.7	438.0	530.2	26.0%	22.6%	30.0%
2001	579.9	520.7	658.4	21.4%	18.9%	24.2%
2002	708.8	661.6	771.3	22.2%	27.1%	17.1%
2003	860.5	808.0	930.1	21.4%	22.1%	20.6%
2004	1,015.1	940.2	1,114.5	18.0%	16.4%	19.8%
2005	1,201.1	1,114.8	1,315.8	18.3%	18.6%	18.1%
2006	1,309.4	1,169.7	1,495.0	9.0%	4.9%	13.6%
2007	1,449.0	1,231.3	1,737.7	10.7%	5.3%	16.2%
2008	1,629.3	1,401.1	1,932.1	12.4%	13.8%	11.2%
2009	1,847.6	1,600.8	2,175.2	13.4%	14.2%	12.6%

Source: CSO Website ([www.zamstats.gov.zm](http://www.zamstats.gov.zm))

**Table A5: Percentage distribution of area planted, average 2002-2009**

	Maize	Sorghum	Millet	Paddy	Wheat	Ground-nuts	Soya	Sunflower	Mixed beans	Cassava	Sweet potatoes	Seed cotton	Hectare Total
2002	575,686	30,033	66,045	12,927	-	129,473	3,998	20,833	36,577	348,009	33,570	87,026	1,257,151
2003	699,276	30,337	56,750	10,305	-	150,460	17,402	1,688	44,001	327,561	33,846	86,431	1,371,626
2004	541,082	47,390	59,081	12,379	13,543	116,494	33,186	30,689	45,270	311,684	29,783	121,593	1,240,580
2005	834,980	57,432	63,411	18,243	22,323	161,962	65,170	31,191	50,496	361,028	27,232	176,217	1,693,468
2006	784,525	43,626	69,529	14,359	9,714	144,251	44,034	39,416	54,532	362,354	0	152,262	1,566,340
2007	872,812	31,596	56,817	20,067	19,188	147,320	38,947	28,829	55,663	391,844	29,476	89,312	1,692,559
2008	928,224	24,349	45,508	25,177	19,480	144,201	32,404	32,491	59,588	398	32,436	111,307	1,344,256
2009	1,125,466	40,485	61,626	31,032	34,296	216,126	64,680	71,290	83,627	0	64,341		1,792,969
Average	795,256	38,156	59,846	18,061	21,766	151,286	42,260	36,391	53,719	350,413	35,812	117,735	1,720,703
Rank	1	8	5	12	11	3	7	9	6	2	10	4	
Percent	46.2%	2.2%	3.5%	1.0%	1.3%	8.8%	2.5%	2.1%	3.1%	20.4%	2.1%	6.8%	100.0%

Source: On the basis of Pre-Harvest Surveys (MACO)

Note: Greyed cells not taking into account for calculation of averages.

**Table A6: Production of major crops according to MACO Food Balance Sheets**  
in Metric Tons

Year	Maize	Cassava	Wheat	Sorghum and millet	Rice	Sweet and Irish Potato
1998	649,000		71,000	87,000	6,000	
1999	855,869	968,583	89,743	95,112	14,699	
2000	1,052,806	815,301	90,000	69,569	8,828	
2001	801,877	815,301	74,527	95,224	12,387	
2002	601,606	850,626	74,527	54,416	11,645	
2003	1,207,202	958,113	135,968	55,632	10,744	132,026
2004	1,213,601	911,673	82,858	64,251	11,699	114,737
2005	866,187	1,056,000	136,833	48,297	13,338	82,489
2006	1,444,698	1,059,887	93,482	69,206	13,964	101,865
2007	1,366,158	1,185,600	185,000	34,480	18,317	75,664
2008	1,211,566	1,160,853	180,000	43,926	24,023	116,719
2009	1,888,773	1,151,700	195,456	70,796	41,929	221,735

Source: MACO, Food Balance Sheets

Notes:

"Year" refers to the harvest year.

Cassava is in cassava meal equivalents. The numbers are calculated by applying a standard yield rate

Rice refers to paddy rice

**Table A7: Production, Area and Yield: Selected Crops**

Crop	Year	Area Planted ha	Production tons	Yield (calc) tons/ha
<b>Maize</b>	2009	1,125,466	1,887,010	1.68
	2008	928,224	1,211,566	1.31
	2007	872,812	1,366,158	1.57
	2006	784,525	1,424,439	1.82
	2005	834,980	866,187	1.04
	2004	630,769	1,213,599	1.92
	2003	699,276	1,157,860	1.66
	2002	575,686	601,606	1.05
	2001	583,855	801,889	1.37
	2000	561,491	850,466	1.51
	1999	597,454	822,057	1.38
	1998	510,372	638,134	1.25
	1997	649,039	960,188	1.48
	1996	675,565	1,409,485	2.09
	1995	520,165	737,835	1.42
	1994	679,356	1,020,749	1.50
	1993	633,326	1,597,767	2.52
	1992	661,305	483,492	0.73
	1991	639,390	1,095,908	1.71
1990	763,258	1,119,670	1.47	
1989	1,020,574	1,843,180	1.81	
1988	723,087	1,943,219	2.69	
1987	609,529	1,063,449	1.74	
<b>Sorghum</b>	2009	40,485	21,829	0.54
	2008	24,349	9,992	0.41
	2007	31,596	12,773	0.40
	2006	43,626	21,048	0.48
	2005	57,432	18,714	0.33
	2004	47,390	24,467	0.52
	2003	30,337	20,300	0.67
	2002	30,033	16,802	0.56
	2001	583,855	30,245	0.05
	2000	32,504	22,962	0.71
	1999	36,657	25,494	0.70
	1998	35,864	25,399	0.71
	1997	44,684	30,756	0.69
	1996	47,839	35,640	0.75
	1995	40,365	26,523	0.66
	1994	55,245	35,068	0.63
	1993	46,563	35,448	0.76
	1992	40,323	13,007	0.32
	1991	31,790	20,939	0.66
1990	48,466	19,591	0.40	
1989	52,008	33,757	0.65	
1988	47,448	22,774	0.48	
1987	47,484	26,191	0.55	

Crop	Year	Area Planted ha	Production tons	Yield (calc) tons/ha
<b>Millet</b>	2009	61,626	48,967	0.79
	2008	45,508	33,934	0.75
	2007	56,817	21,707	0.38
	2006	69,529	48,159	0.69
	2005	63,411	29,583	0.47
	2004	59,081	39,784	0.67
	2003	56,750	35,332	0.62
	2002	66,045	37,615	0.57
	2001	70,129	46,875	0.67
	2000	61,073	42,743	0.70
	1999	95,530	69,617	0.73
	1998	90,047	62,236	0.69
	1997	85,731	61,129	0.71
	1996	76,930	54,858	0.71
	1995	75,809	54,501	0.72
	1994	82,302	62,644	0.76
	1993	52,654	37,394	0.71
	1992	66,598	48,029	0.72
	1991	45,270	25,573	0.56
	1990	58,869	31,531	0.54
1989	47,416	27,260	0.57	
1988	44,073	27,000	0.61	
1987	43,569	30,262	0.69	
<b>Paddy</b>	2009	31,032	41,929	1.35
	2008	25,177	24,023	0.95
	2007	20,067	18,317	0.91
	2006	14,359	13,963	0.97
	2005	18,243	13,337	0.73
	2004	12,379	11,699	0.95
	2003	10,305	10,743	1.04
	2002	12,927	11,645	0.90
	2001	14,321	8,430	0.59
	2000	9,804	8,168	0.83
	1999	16,121	14,700	0.91
	1998	9,065	6,399	0.71
	1997	12,412	12,473	1.00
	1996	9,888	13,296	1.34
	1995	9,746	12,110	1.24
	1994	7,177	6,358	0.89
	1993	13,802	13,993	1.01
	1992	14,369	8,289	0.58
	1991	13,450	14,186	1.05
	1990	9,627	9,293	0.97
1989	12,809	11,734	0.92	
1988	10,593	9,654	0.91	
1987	8,689	8,242	0.95	



Crop	Year	Area Planted ha	Production tons	Yield (calc) tons/ha
<b>Irrigated wheat</b>	2009	34,296	195,456	5.70
	2008	19,480	113,242	5.81
	2007	19,188	115,843	6.04
	2006	9,714	53,479	5.51
	2005	22,323	136,833	6.13
	2004	13,543	82,858	6.12
	2003		135,967	
	2002			
	2001			
	2000			
	1999	9,921	69,226	6.98
	1998	11,278	63,925	5.67
	1997	10,693	70,810	6.62
	1996	10,327	57,595	5.58
	1995	7,806	38,019	4.87
	1994	11,566	60,944	5.27
	1993	13,656	69,286	5.07
	1992	10,964	54,490	4.97
	1991	11,849	58,732	4.96
	1990	11,595	53,601	4.62
	1989	9,878	46,614	4.72
1988	6,925	32,914	4.75	
1987	7,387	27,408	3.71	
<b>Groundnut</b>	2009	216,126	120,564	0.56
	2008	144,201	70,527	0.49
	2007	147,320	55,215	0.37
	2006	144,251	84,010	0.58
	2005	161,962	74,218	0.46
	2004	116,494	69,696	0.60
	2003	150,460	82,551	0.55
	2002	129,473	41,421	0.32
	2001	137,108	57,753	0.42
	2000	70,018	23,447	0.33
	1999	141,319	50,965	0.36
	1998	154,682	56,934	0.37
	1997	126,573	45,859	0.36
	1996	89,488	34,755	0.39
	1995	100,431	36,119	0.36
	1994	105,737	34,732	0.33
	1993	71,415	34,301	0.48
	1992	68,724	20,504	0.30
	1991	80,470	28,188	0.35
	1990	80,443	25,086	0.31
	1989	62,913	30,104	0.48
1988	81,776	33,400	0.41	
1987	149,016	47,426	0.32	

Crop	Year	Area Planted ha	Production tons	Yield (calc) tons/ha
<b>Soyabean</b>	2009	64,680	118,794	1.84
	2008	32,404	56,839	1.75
	2007	38,947	55,194	1.42
	2006	44,034	57,815	1.31
	2005	65,170	89,660	1.38
	2004	33,186	54,687	1.65
	2003	17,402	42,119	2.42
	2002	3,998	2,350	0.59
	2001	16,754	28,311	1.69
	2000	2,554	1,839	0.72
	1999	11,721	26,703	2.28
	1998	11,681	12,376	1.06
	1997	17,273	29,292	1.70
	1996	25,466	40,050	1.57
	1995	21,651	21,129	0.98
	1994	25,447	24,630	0.97
	1993	19,864	26,001	1.31
	1992	22,786	8,800	0.39
	1991	29,200	25,676	0.88
	1990	29,815	26,791	0.90
1989	21,328	20,578	0.96	
1988	20,900	21,470	1.03	
1987	16,857	13,462	0.80	
<b>Sunflower</b>	2009	71,290	33,653	0.47
	2008	32,491	12,662	0.39
	2007	28,829	8,953	0.31
	2006	39,416	15,004	0.38
	2005	31,191	8,112	0.26
	2004	30,689	13,857	0.45
	2003	1,688	1,333	0.79
	2002	20,833	9,364	0.45
	2001	37,388	19,002	0.51
	2000	11,622	6,393	0.55
	1999	13,356	6,748	0.51
	1998	15,694	5,708	0.36
	1997	20,745	7,433	0.36
	1996	47,621	26,178	0.55
	1995	32,433	13,649	0.42
	1994	31,079	9,821	0.32
	1993	39,250	15,479	0.39
	1992	32,302	1,493	0.05
	1991	36,490	10,645	0.29
	1990	44,289	16,361	0.37
1989	44,958	15,023	0.33	
1988	45,911	18,404	0.40	
1987	21,600	12,431	0.58	

Crop	Year	Area Planted ha	Production tons	Yield (calc) tons/ha
<b>Mixed Beans</b>	2009	83,627	46,729	0.56
	2008	59,588	44,463	0.75
	2007	55,663	24,164	0.43
	2006	54,532	27,697	0.51
	2005	50,496	23,098	0.46
	2004	45,270	18,161	0.40
	2003	44,001	24,097	0.55
	2002	36,577	16,619	0.45
	2001	51,025	21,349	0.42
	2000	21,043	9,841	0.47
	1999	39,854	17,392	0.44
	1998	354,444	13,905	0.04
<b>Cassava</b>	2009			
	2008	398,000	1,160,853	2.92
	2007	391,844	1,146,142	2.92
	2006	362,354	1,059,887	2.93
	2005	361,028	1,056,000	2.92
	2004	311,684	911,673	2.92
	2003	327,561	958,115	2.92
	2002	348,009	0	0.00
	2001	309,004	815,248	2.64
	2000	290,952	0	0.00
	1999	138,360	968,520	7.00
	1998	116,709	816,963	7.00

Source: MACO, Early Warning Unit (based on pre-harvest surveys)

Note: Shaded figures appear to be erroneous or incomplete.

**Table A8: Actual expenditure of MACO and Livestock 2000-2008, budget 2009-2010 -- current prices**

Current million Kwacha		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Budget
<b>89 Ministry of Agriculture and Cooperatives (and Livestock) /1 TOTAL</b>												
<b>Central sections of MACO</b>		<b>30,372</b>	<b>42,547</b>	<b>45,752</b>	<b>80,647</b>	<b>77,725</b>	<b>46,567</b>	<b>38,775</b>	<b>78,099</b>	<b>64,180</b>	<b>104,231</b>	<b>109,780</b>
/ 01	Headquarters	12,131	7,358	6,361	15,881	6,628	4,120	5,001	3,160	5,569	12,553	13,325
/ 02	Human Resources And Administration					2,555	2,665	2,194	2,500	3,298	5,986	10,567
/ 03z	Policy and Planning excl. projects	767	1,128	1,967	6,596	2,342	3,363	4,363	6,432	6,705	11,103	17,883
/ 04	Agriculture Department	12,539	18,395	15,541	25,454	40,192	16,099	12,851	20,804	16,983	15,058	9,768
/ 06	Veterinary And Livestock Development Department	1,853	4,683	7,283	8,543	14,068	8,036	6,286	25,102	16,793	38,038	37,973
/ 08	Fisheries Department	456	1,559	1,603	2,270	3,556	3,089	2,936	5,606	6,958	4,954	5,373
/ 09z	Agribusiness and Marketing Department excl. FSP, FRA	902	7,890	6,047	5,198	2,191	2,583	1,135	1,600	1,444	2,375	4,035
/ 10	Co-Operatives Department	822		5,118	11,615	1,342	1,179	1,149	6,969	1,367	1,883	2,516
/ 11	Seed Control And Certification Institute	79	237	635	2,821	1,263	2,571	854	3,491	3,139	7,095	5,090
/ 12	National Agriculture Information Services	822	1,296	1,198	2,268	3,588	2,862	2,006	2,434	1,923	5,186	3,250
<b>Training and research</b>		<b>3,728</b>	<b>16,270</b>	<b>9,828</b>	<b>20,494</b>	<b>13,775</b>	<b>16,364</b>	<b>14,714</b>	<b>29,913</b>	<b>26,005</b>	<b>55,698</b>	<b>43,135</b>
/ 05	Zambia Agricultural Research Institute	2,716	12,102	6,724	14,168	7,125	5,555	6,406	10,014	7,895	11,584	9,239
/ 07	Agricultural Training Institutions	973	3,743	2,279	6,326	6,650	9,298	7,584	11,940	14,523	24,490	21,227
/ 13	Agriculture Research Stations						759	342	1,385	1,310	7,364	3,893
/ 14	Fisheries Research Stations	38	424	825			440	242	1,290	1,245	4,760	5,668
/ 15	Veterinary And Livestock Development Research Stations						313	141	5,284	1,032	7,500	3,107
<b>Provinces and Districts</b>							<b>70,350</b>	<b>69,302</b>	<b>119,066</b>	<b>103,981</b>	<b>220,722</b>	<b>202,820</b>
<b>Provinces</b>							<b>53,299</b>	<b>60,387</b>	<b>80,665</b>	<b>82,649</b>	<b>122,609</b>	<b>124,702</b>
/ 16	Copperbelt Province - PACO						6,292	6,121	9,032	9,059	15,423	13,444
/ 18	Central Province - PACO						5,380	6,218	7,289	7,872	13,124	12,288
/ 20	Southern Province - PACO						11,792	14,024	15,894	18,262	22,061	20,826
/ 22	Northern Province - PACO						5,864	7,808	9,126	8,646	14,477	15,996
/ 24	Western Province - PACO						7,256	5,688	7,640	7,083	13,143	12,359
/ 26	Eastern Province - PACO						4,908	7,278	10,728	10,512	13,942	15,599
/ 28	North- Western - PACO						4,302	4,695	7,764	7,571	10,455	12,475
/ 30	Luapula Province - PACO						4,315	4,986	5,824	6,313	9,746	12,339
/ 32	Lusaka Province - PACO						3,190	3,570	7,368	7,328	10,237	9,378
<b>Districts</b>							<b>17,051</b>	<b>8,915</b>	<b>38,401</b>	<b>21,332</b>	<b>98,114</b>	<b>78,117</b>
/ 17	Copperbelt Province - DACOs						2,103	1,288	4,907	3,134	10,194	8,088
/ 19	Central Province - DACOs						1,061	436	3,415	2,657	13,712	6,512
/ 21	Southern Province - DACOs						2,691	1,958	4,306	2,766	15,191	11,809
/ 23	Northern Province - DACOs						3,138	1,787	8,160	2,744	17,119	10,446
/ 25	Western Province - DACOs						1,388	624	3,859	2,048	9,402	10,565
/ 27	Eastern Province - DACOs						1,946	519	4,765	1,342	8,802	10,735
/ 29	North- Western - DACOs						1,834	1,030	3,331	2,969	9,570	6,255
/ 31	Luapula Province - DACOs						1,980	905	3,028	2,262	8,993	10,180
/ 33	Lusaka Province - DACOs						910	368	2,629	1,410	5,130	3,528

<b>Current million Kwacha</b>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Budget
<b>Subsidy programmes</b>		<b>40,000</b>	<b>17,840</b>	<b>102,224</b>	<b>145,248</b>	<b>199,118</b>	<b>324,046</b>	<b>409,298</b>	<b>541,820</b>	<b>535,027</b>	<b>530,000</b>
Fertilizer Subsidy Programme		40,000	17,790	50,000	98,051	139,988	184,046	204,298	461,820	435,027	430,000
Food Reserve Agency			50	52,224	47,197	59,130	140,000	205,000	80,000	100,000	100,000
<b>Total agriculture excl. projects</b>	<b>34,100</b>	<b>98,817</b>	<b>73,421</b>	<b>203,365</b>	<b>236,749</b>	<b>332,400</b>	<b>446,838</b>	<b>636,376</b>	<b>735,985</b>	<b>915,678</b>	<b>885,735</b>
<b>Total agriculture excl. projects, FSP, FRA</b>	<b>34,100</b>	<b>58,817</b>	<b>55,580</b>	<b>101,141</b>	<b>91,500</b>	<b>133,281</b>	<b>122,792</b>	<b>227,078</b>	<b>194,165</b>	<b>380,651</b>	<b>355,735</b>
<b>Memorandum Items:</b>											
Exchange rate ZMK/USD (IMF)	3111	3611	4399	4733	4779	4464	3603	4003	3746	5046	4649.948
CPI, annual average, base 1994	478	580	709	860	1015	1201	1309	1449	1629	1848	2032

### Analysis

ZMK bn

Total core MACO	34,100	58,817	55,580	101,141	91,500	133,281	122,792	227,078	194,165	380,651	355,735
Research (ZARI and research stations)	2,755	12,526	7,549	14,168	7,125	7,066	7,130	17,973	11,482	31,208	21,908
Training institutions	973	3,743	2,279	6,326	6,650	9,298	7,584	11,940	14,523	24,490	21,227
Provinces and districts						70,350	69,302	119,066	103,981	220,722	202,820
%											
Research (ZARI and research stations)	8.1%	21.3%	13.6%	14.0%	7.8%	5.3%	5.8%	7.9%	5.9%	8.2%	6.2%
Training institutions	2.9%	6.4%	4.1%	6.3%	7.3%	7.0%	6.2%	5.3%	7.5%	6.4%	6.0%
Provinces and districts						52.8%	56.4%	52.4%	53.6%	58.0%	57.0%
							average 2005-08				
							Research (ZARI and research stations)	6.2%			
							Training institutions	6.5%			
							Provinces and districts	53.8%			

### Sources and notes

Source 2000-2003: provided by FSRP as actual expenditure

2004-2008: Financial Report

2009 and 2010: Initial Estimates (excl. supplementary budgets)

Exchange rate: Annual Average according to IMF/International Financial Statistics

Earmarked Donor funds excluded by way of eliminating respective units of Policy and Planning

/1 incl. Ministry of Livestock and Fisheries in 2010

**Table A9: Actual expenditure of MACO and Livestock 2000-2008, budget 2009-2010 -- constant prices**

Constant 2008 prices, million Kwacha		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Budget
<b>89 Ministry of Agriculture and Cooperatives (and Livestock) /1 TOTAL</b>												
<b>Central sections of MACO</b>		<b>103,591</b>	<b>119,542</b>	<b>105,170</b>	<b>152,704</b>	<b>124,757</b>	<b>63,170</b>	<b>48,248</b>	<b>87,819</b>	<b>64,180</b>	<b>91,918</b>	<b>88,011</b>
/ 01	Headquarters	41,376	20,673	14,621	30,071	10,639	5,589	6,223	3,554	5,569	11,070	10,683
/ 02	Human Resources And Administration					4,101	3,616	2,730	2,812	3,298	5,279	8,472
/ 03z	Policy and Planning excl. projects	2,615	3,170	4,521	12,489	3,759	4,561	5,429	7,232	6,705	9,792	14,337
/ 04	Agriculture Department	42,769	51,683	35,723	48,198	64,512	21,839	15,991	23,394	16,983	13,280	7,831
/ 06	Veterinary And Livestock Development Department	6,319	13,159	16,742	16,176	22,580	10,901	7,822	28,226	16,793	33,544	30,443
/ 08	Fisheries Department	1,555	4,381	3,685	4,298	5,708	4,191	3,653	6,304	6,958	4,369	4,307
/ 09z	Agribusiness and Marketing Department excl. FSP, FRA	3,077	22,169	13,900	9,842	3,516	3,504	1,413	1,799	1,444	2,094	3,235
/ 10	Co-Operatives Department	2,804		11,765	21,993	2,155	1,599	1,429	7,836	1,367	1,660	2,017
/ 11	Seed Control And Certification Institute	270	667	1,459	5,341	2,028	3,488	1,062	3,925	3,139	6,257	4,081
/ 12	National Agriculture Information Services	2,804	3,641	2,754	4,295	5,760	3,882	2,496	2,737	1,923	4,573	2,605
<b>Training and research</b>		<b>12,715</b>	<b>45,712</b>	<b>22,592</b>	<b>38,806</b>	<b>22,110</b>	<b>22,199</b>	<b>18,309</b>	<b>33,635</b>	<b>26,005</b>	<b>49,119</b>	<b>34,581</b>
/ 05	Zambia Agricultural Research Institute	9,265	34,002	15,455	26,828	11,436	7,535	7,971	11,261	7,895	10,215	7,407
/ 07	Agricultural Training Institutions	3,320	10,517	5,239	11,978	10,675	12,613	9,437	13,426	14,523	21,597	17,017
/ 13	Agriculture Research Stations						1,029	426	1,558	1,310	6,494	3,121
/ 14	Fisheries Research Stations	130	1,193	1,897			596	301	1,450	1,245	4,198	4,544
/ 15	Veterinary And Livestock Development Research Stations						424	175	5,941	1,032	6,614	2,491
<b>Provinces and Districts</b>							<b>95,431</b>	<b>86,233</b>	<b>133,885</b>	<b>103,981</b>	<b>194,648</b>	<b>162,601</b>
<b>Provinces</b>							<b>72,301</b>	<b>75,140</b>	<b>90,705</b>	<b>82,649</b>	<b>108,125</b>	<b>99,974</b>
/ 16	Copperbelt Province - PACO						8,535	7,616	10,156	9,059	13,601	10,778
/ 18	Central Province - PACO						7,299	7,737	8,196	7,872	11,573	9,851
/ 20	Southern Province - PACO						15,996	17,450	17,872	18,262	19,455	16,696
/ 22	Northern Province - PACO						7,954	9,715	10,262	8,646	12,767	12,824
/ 24	Western Province - PACO						9,843	7,078	8,591	7,083	11,591	9,908
/ 26	Eastern Province - PACO						6,658	9,056	12,064	10,512	12,295	12,505
/ 28	North- Western - PACO						5,836	5,842	8,730	7,571	9,220	10,001
/ 30	Luapula Province - PACO						5,854	6,204	6,549	6,313	8,595	9,892
/ 32	Lusaka Province - PACO						4,328	4,442	8,285	7,328	9,028	7,519
<b>Districts</b>							<b>23,130</b>	<b>11,093</b>	<b>43,180</b>	<b>21,332</b>	<b>86,524</b>	<b>62,627</b>
/ 17	Copperbelt Province - DACOs						2,852	1,602	5,518	3,134	8,989	6,484
/ 19	Central Province - DACOs						1,439	542	3,840	2,657	12,092	5,220
/ 21	Southern Province - DACOs						3,650	2,436	4,842	2,766	13,397	9,467
/ 23	Northern Province - DACOs						4,257	2,224	9,176	2,744	15,097	8,375
/ 25	Western Province - DACOs						1,883	777	4,340	2,048	8,292	8,470
/ 27	Eastern Province - DACOs						2,640	646	5,358	1,342	7,763	8,606
/ 29	North- Western - DACOs						2,488	1,281	3,745	2,969	8,440	5,014
/ 31	Luapula Province - DACOs						2,686	1,127	3,405	2,262	7,930	8,161
/ 33	Lusaka Province - DACOs						1,235	458	2,956	1,410	4,524	2,829

<b>Constant 2008 prices, million Kwacha</b>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Budget	
<b>Subsidy programmes</b>		<b>112,385</b>	<b>41,009</b>	<b>193,561</b>	<b>233,138</b>	<b>270,108</b>	<b>403,208</b>	<b>460,238</b>	<b>541,820</b>	<b>471,825</b>	<b>424,902</b>	
Fertilizer Subsidy Programme		112,385	40,894	94,675	157,382	189,897	229,007	229,724	461,820	383,638	344,731	
Food Reserve Agency			115	98,886	75,756	80,211	174,201	230,513	80,000	88,187	80,170	
<b>Total agriculture excl. projects</b>		<b>116,305</b>	<b>277,640</b>	<b>168,771</b>	<b>385,071</b>	<b>380,005</b>	<b>450,908</b>	<b>555,997</b>	<b>715,577</b>	<b>807,510</b>	<b>710,094</b>	
<b>Total agriculture excl. projects, FSP, FRA</b>		<b>116,305</b>	<b>165,254</b>	<b>127,762</b>	<b>191,511</b>	<b>146,867</b>	<b>180,799</b>	<b>152,789</b>	<b>194,165</b>	<b>335,685</b>	<b>285,193</b>	
<b>Memorandum Items:</b>												
Exchange rate ZMK/USD (IMF)		3111	3611	4399	4733	4779	4464	3603	4003	3746	5046	4650
CPI, annual average, base 1994		478	580	709	860	1015	1201	1309	1449	1629	1848	2032
CPI rebased to 2008		29.3	35.6	43.5	52.8	62.3	73.7	80.4	88.9	100.0	113.4	124.7

#### Sources and notes

Source 2000-2003: provided by FSRP as actual expenditure

2004-2008: Financial Report

2009 and 2010: Initial Estimates (excl. supplementary budgets)

Exchange rate: Annual Average according to IMF/International Financial Statistics

Earmarked Donor funds excluded by way of eliminating respective units of Policy and Planning

/1 incl. Ministry of Livestock and Fisheries in 2010

**Table A10: Actual expenditure of MACO and Livestock 2000-2008, budget 2009-2010 -- US\$**

Thousand USD		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Budget
<b>89 Ministry of Agriculture and Cooperatives (and Livestock) /1 TOTAL</b>												
<b>Central sections of MACO</b>		<b>9,763</b>	<b>11,783</b>	<b>10,402</b>	<b>17,038</b>	<b>16,264</b>	<b>10,433</b>	<b>10,762</b>	<b>19,512</b>	<b>17,134</b>	<b>20,656</b>	<b>23,609</b>
/ 01	Headquarters	3,900	2,038	1,446	3,355	1,387	923	1,388	790	1,487	2,488	2,866
/ 02	Human Resources And Administration					535	597	609	625	880	1,186	2,272
/ 03z	Policy and Planning excl. projects	246	312	447	1,394	490	753	1,211	1,607	1,790	2,200	3,846
/ 04	Agriculture Department	4,031	5,094	3,533	5,378	8,410	3,607	3,567	5,198	4,534	2,984	2,101
/ 06	Veterinary And Livestock Development Department	596	1,297	1,656	1,805	2,944	1,800	1,745	6,272	4,483	7,538	8,166
/ 08	Fisheries Department	147	432	364	480	744	692	815	1,401	1,858	982	1,155
/ 09z	Agribusiness and Marketing Department excl. FSP, FRA	290	2,185	1,375	1,098	458	579	315	400	386	471	868
/ 10	Co-Operatives Department	264		1,164	2,454	281	264	319	1,741	365	373	541
/ 11	Seed Control And Certification Institute	25	66	144	596	264	576	237	872	838	1,406	1,095
/ 12	National Agriculture Information Services	264	359	272	479	751	641	557	608	513	1,028	699
<b>Training and research</b>		<b>1,198</b>	<b>4,506</b>	<b>2,234</b>	<b>4,330</b>	<b>2,883</b>	<b>3,666</b>	<b>4,084</b>	<b>7,473</b>	<b>6,943</b>	<b>11,038</b>	<b>9,276</b>
/ 05	Zambia Agricultural Research Institute	873	3,351	1,529	2,993	1,491	1,245	1,778	2,502	2,108	2,296	1,987
/ 07	Agricultural Training Institutions	313	1,037	518	1,337	1,392	2,083	2,105	2,983	3,877	4,853	4,565
/ 13	Agriculture Research Stations						170	95	346	350	1,459	837
/ 14	Fisheries Research Stations	12	118	188			99	67	322	332	943	1,219
/ 15	Veterinary And Livestock Development Research Stations						70	39	1,320	275	1,486	668
<b>Provinces and Districts</b>							<b>15,761</b>	<b>19,234</b>	<b>29,748</b>	<b>27,760</b>	<b>43,741</b>	<b>43,618</b>
<b>Provinces</b>							<b>11,941</b>	<b>16,760</b>	<b>20,154</b>	<b>22,065</b>	<b>24,298</b>	<b>26,818</b>
/ 16	Copperbelt Province - PACO						1,410	1,699	2,257	2,419	3,056	2,891
/ 18	Central Province - PACO						1,205	1,726	1,821	2,102	2,601	2,643
/ 20	Southern Province - PACO						2,642	3,892	3,971	4,876	4,372	4,479
/ 22	Northern Province - PACO						1,314	2,167	2,280	2,308	2,869	3,440
/ 24	Western Province - PACO						1,626	1,579	1,909	1,891	2,605	2,658
/ 26	Eastern Province - PACO						1,100	2,020	2,680	2,807	2,763	3,355
/ 28	North- Western - PACO						964	1,303	1,940	2,021	2,072	2,683
/ 30	Luapula Province - PACO						967	1,384	1,455	1,685	1,931	2,654
/ 32	Lusaka Province - PACO						715	991	1,841	1,956	2,029	2,017
<b>Districts</b>							<b>3,820</b>	<b>2,474</b>	<b>9,594</b>	<b>5,695</b>	<b>19,443</b>	<b>16,800</b>
/ 17	Copperbelt Province - DACOs						471	357	1,226	837	2,020	1,739
/ 19	Central Province - DACOs						238	121	853	709	2,717	1,400
/ 21	Southern Province - DACOs						603	543	1,076	738	3,010	2,540
/ 23	Northern Province - DACOs						703	496	2,039	733	3,392	2,246
/ 25	Western Province - DACOs						311	173	964	547	1,863	2,272
/ 27	Eastern Province - DACOs						436	144	1,191	358	1,744	2,309
/ 29	North- Western - DACOs						411	286	832	793	1,897	1,345
/ 31	Luapula Province - DACOs						444	251	757	604	1,782	2,189
/ 33	Lusaka Province - DACOs						204	102	657	376	1,017	759



<b>Thousand USD</b>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Budget
<b>Subsidy programmes</b>		<b>11,077</b>	<b>4,056</b>	<b>21,597</b>	<b>30,394</b>	<b>44,610</b>	<b>89,936</b>	<b>102,260</b>	<b>144,653</b>	<b>106,028</b>	<b>113,980</b>
Fertilizer Subsidy Programme		11,077	4,045	10,564	20,518	31,363	51,080	51,042	123,295	86,210	92,474
Food Reserve Agency			11	11,033	9,876	13,247	38,856	51,218	21,358	19,817	21,506
<b>Total agriculture excl. projects</b>	<b>10,962</b>	<b>27,366</b>	<b>16,692</b>	<b>42,965</b>	<b>49,541</b>	<b>74,471</b>	<b>124,016</b>	<b>158,994</b>	<b>196,490</b>	<b>181,462</b>	<b>190,483</b>
<b>Total agriculture excl. projects, FSP, FRA</b>	<b>10,962</b>	<b>16,289</b>	<b>12,636</b>	<b>21,368</b>	<b>19,147</b>	<b>29,860</b>	<b>34,080</b>	<b>56,734</b>	<b>51,837</b>	<b>75,435</b>	<b>76,503</b>
<b>Memorandum Items:</b>											
Exchange rate ZMK/USD (IMF)	3111	3611	4399	4733	4779	4464	3603	4003	3746	5046	4650
CPI, annual average, base 1994	478	580	709	860	1015	1201	1309	1449	1629	1848	2032
CPI rebased to 2008	29.3	35.6	43.5	52.8	62.3	73.7	80.4	88.9	100.0	113.4	124.7

#### Sources and notes

Source 2000-2003: provided by FSRP as actual expenditure

2004-2008: Financial Report

2009 and 2010: Initial Estimates (excl. supplementary budgets)

Exchange rate: Annual Average according to IMF/International Financial Statistics

Earmarked Donor funds excluded by way of eliminating respective units of Policy and Planning

/1 incl. Ministry of Livestock and Fisheries in 2010

**Table A11: MACO initial budget excl. aid projects and FSA and FRA, Non-PE Actual**

(Million current Kwacha)

Subhead	Budget						
	Total						
	2004 Budget	2005 Budget	2006 Budget	2007 Budget	2008 Budget	2009 Budget	2010 Budget
01 Headquarters	9,957	4,220	5,025	4,214	7,958	12,553	13,325
02 Human resources administration	2,791	2,812	2,440	3,087	4,688	5,986	10,567
03 Policy and Planning Department excl. projects	4,408	3,819	5,064	7,574	9,139	11,103	17,883
04 Agriculture department	48,675	17,579	16,461	33,167	21,951	15,058	9,768
05 ZARI	10,039	6,168	7,903	14,495	10,832	11,584	9,239
06 Veterinary and livestock development department	14,685	8,762	7,441	30,820	20,139	38,038	37,973
07 Agricultural training institutions	8,907	9,928	9,891	15,005	17,228	24,490	21,227
08 Fisheries department	5,273	3,560	3,236	7,540	8,684	4,954	5,373
09 Agribusiness and marketing department excl. FSP and FRA	5,691	2,854	1,329	2,221	2,483	2,375	4,035
10 Co-operatives department	3,234	1,455	1,309	10,010	1,924	1,883	2,516
11 Seed control and certification institute	3,610	2,828	1,986	5,467	4,935	7,095	5,090
12 National agriculture information services	5,587	3,166	2,617	3,199	2,925	5,186	3,250
13 Agriculture research stations		1,002	939	3,103	2,700	7,364	3,893
14 Fisheries research stations		945	900	2,672	1,552	4,760	5,668
15 Veterinary and livestock development research stations		454	660	7,025	2,026	7,500	3,107
16 Copperbelt - Provincial		6,537	6,272	9,954	9,443	15,423	13,444
17 Copperbelt - Districts		2,980	2,909	7,650	4,347	10,194	8,088
18 Central - Provincial		5,533	6,657	9,180	8,808	13,124	12,288
19 Central - Districts		1,810	1,504	5,781	3,360	13,712	6,512
20 Southern - Provincial		12,428	14,280	17,841	18,612	22,061	20,826
21 Southern - Districts		3,483	3,844	9,099	4,753	15,191	11,809
22 Northern - Provincial		5,957	8,024	10,163	9,622	14,477	15,996
23 Northern - Districts		3,949	3,973	10,564	4,407	17,119	10,446
24 Western - Provincial		7,338	6,211	8,215	7,697	13,143	12,359
25 Western - Districts		2,285	2,106	6,422	4,483	9,402	10,565
26 Eastern - Province		5,005	7,454	11,316	11,781	13,942	15,599
27 Eastern - Districts		2,766	2,406	6,903	3,092	8,802	10,735
28 North-western - Provincial		4,404	4,994	8,685	8,137	10,455	12,475
29 North-Western - Districts		2,392	2,131	5,601	4,302	9,570	6,255
30 Luapula - Provincial		4,321	5,295	7,015	7,402	9,746	12,339
31 Luapula - Districts		2,317	2,277	6,474	4,206	8,993	10,180
32 Lusaka - Provincial		3,338	4,000	8,048	8,419	10,237	9,378
33 Lusaka - Districts		1,190	953	4,350	2,080	5,130	3,528
<b>Total MACO core by groups</b>	<b>122,856</b>	<b>147,583</b>	<b>152,492</b>	<b>302,861</b>	<b>244,116</b>	<b>380,651</b>	<b>355,735</b>
Provinces		54,861	63,188	90,417	89,921	122,609	124,702
Districts		23,172	22,103	62,843	35,030	98,114	78,117
Research incl. research stations	10,039	8,569	10,403	27,296	17,111	31,208	21,908
Training Institutes	8,907	9,928	9,891	15,005	17,228	24,490	21,227
Other Headquarter	103,910	51,054	46,908	107,300	84,827	104,231	109,780

Source of data: Estimates 2004-2010, financial Reports 2004-2008

**Table A11: MACO initial budget excl. aid proje**  
(Million current Kwacha)

Subhead	Budget						
	Personal emoluments						
	2004	2005	2006	2007	2008	2009	2010
	Budget	Budget	Budget	Budget	Budget	Budget	Budget
01 Headquarters	6,921	1,498	1,839	1,729	3,693	2,336	5,764
02 Human resources administration	1,875	1,749	1,602	1,900	2,160	2,801	5,350
03 Policy and Planning Department excl. projects	1,834	954	1,401	1,630	1,883	2,292	5,424
04 Agriculture department	24,560	2,014	2,631	3,076	3,820	4,844	3,092
05 ZARI	5,433	3,354	5,196	6,592	6,032	6,735	5,445
06 Veterinary and livestock development department	10,020	4,413	4,095	6,627	6,798	7,967	11,509
07 Agricultural training institutions	6,622	6,049	6,244	8,321	9,555	10,150	8,770
08 Fisheries department	2,384	1,836	1,753	2,185	2,670	2,393	3,282
09 Agribusiness and marketing department excl. FSP and FRA	2,814	482	811	931	1,188	1,258	1,719
10 Co-operatives department	1,301	431	473	866	717	873	1,085
11 Seed control and certification institute	1,346	1,719	661	1,338	935	2,738	2,744
12 National agriculture information services	3,572	1,002	906	1,194	1,404	1,396	1,666
13 Agriculture research stations							
14 Fisheries research stations							
15 Veterinary and livestock development research stations							
16 Copperbelt - Provincial		5,998	5,437	7,309	7,446	9,615	10,003
17 Copperbelt - Districts							
18 Central - Provincial		4,987	5,757	6,806	7,622	9,323	10,180
19 Central - Districts							
20 Southern - Provincial		11,800	13,338	15,606	16,941	17,180	17,391
21 Southern - Districts							
22 Northern - Provincial		5,310	7,407	8,013	8,012	10,255	11,818
23 Northern - Districts							
24 Western - Provincial		6,773	5,555	6,270	6,587	9,549	9,797
25 Western - Districts							
26 Eastern - Province		4,425	6,869	9,083	10,259	10,480	13,008
27 Eastern - Districts							
28 North-western - Provincial		3,833	4,269	6,752	7,039	6,749	9,834
29 North-Western - Districts							
30 Luapula - Provincial		3,742	4,647	5,088	6,187	6,453	9,787
31 Luapula - Districts							
32 Lusaka - Provincial		2,907	3,419	6,251	7,181	6,383	6,922
33 Lusaka - Districts							
<b>Total MACO core by groups</b>	<b>68,682</b>	<b>75,273</b>	<b>84,309</b>	<b>107,567</b>	<b>118,128</b>	<b>131,771</b>	<b>154,589</b>
Provinces		49,775	56,697	71,179	77,273	85,987	98,739
Districts							
Research incl. research stations	5,433	3,354	5,196	6,592	6,032	6,735	5,445
Training Institutes	6,622	6,049	6,244	8,321	9,555	10,150	8,770
Other Headquarter	56,627	16,096	16,173	21,476	25,268	28,899	41,636

Source of data: Estimates 2004-2010, financial Report

**Table A11: MACO initial budget excl. aid proje**  
(Million current Kwacha)

Subhead	Budget						
	Non-Personal emoluments						
	2004	2005	2006	2007	2008	2009	2010
	Budget	Budget	Budget	Budget	Budget	Budget	Budget
01 Headquarters	3,036	2,722	3,186	2,485	4,265	10,217	7,561
02 Human resources administration	915	1,064	838	1,187	2,528	3,185	5,217
03 Policy and Planning Department excl. projects	2,574	2,865	3,664	5,944	7,256	8,811	12,460
04 Agriculture department	24,116	15,565	13,830	30,092	18,132	10,214	6,676
05 ZARI	4,606	2,814	2,707	7,904	4,800	4,849	3,795
06 Veterinary and livestock development department	4,665	4,349	3,345	24,193	13,341	30,071	26,464
07 Agricultural training institutions	2,285	3,879	3,647	6,684	7,674	14,341	12,457
08 Fisheries department	2,889	1,724	1,483	5,355	6,014	2,561	2,091
09 Agribusiness and marketing department excl. FSP and FRA	2,877	2,372	517	1,290	1,296	1,116	2,316
10 Co-operatives department	1,932	1,024	836	9,145	1,206	1,010	1,430
11 Seed control and certification institute	2,264	1,109	1,325	4,129	4,000	4,357	2,346
12 National agriculture information services	2,015	2,164	1,712	2,005	1,521	3,790	1,584
13 Agriculture research stations		1,002	939	3,103	2,700	7,364	3,893
14 Fisheries research stations		945	900	2,672	1,552	4,760	5,668
15 Veterinary and livestock development research stations		454	660	7,025	2,026	7,500	3,107
16 Copperbelt - Provincial		538	836	2,645	1,997	5,808	3,441
17 Copperbelt - Districts		2,980	2,909	7,650	4,347	10,194	8,088
18 Central - Provincial		546	901	2,374	1,186	3,800	2,107
19 Central - Districts		1,810	1,504	5,781	3,360	13,712	6,512
20 Southern - Provincial		628	942	2,235	1,671	4,881	3,435
21 Southern - Districts		3,483	3,844	9,099	4,753	15,191	11,809
22 Northern - Provincial		648	617	2,150	1,610	4,222	4,177
23 Northern - Districts		3,949	3,973	10,564	4,407	17,119	10,446
24 Western - Provincial		565	655	1,945	1,109	3,595	2,562
25 Western - Districts		2,285	2,106	6,422	4,483	9,402	10,565
26 Eastern - Province		580	585	2,233	1,523	3,462	2,591
27 Eastern - Districts		2,766	2,406	6,903	3,092	8,802	10,735
28 North-western - Provincial		571	725	1,933	1,098	3,706	2,641
29 North-Western - Districts		2,392	2,131	5,601	4,302	9,570	6,255
30 Luapula - Provincial		579	648	1,926	1,215	3,293	2,552
31 Luapula - Districts		2,317	2,277	6,474	4,206	8,993	10,180
32 Lusaka - Provincial		432	581	1,797	1,238	3,854	2,457
33 Lusaka - Districts		1,190	953	4,350	2,080	5,130	3,528
<b>Total MACO core by groups</b>	<b>54,175</b>	<b>72,310</b>	<b>68,183</b>	<b>195,294</b>	<b>125,988</b>	<b>248,880</b>	<b>201,145</b>
Provinces		5,086	6,491	19,238	12,648	36,621	25,963
Districts		23,172	22,103	62,843	35,030	98,114	78,117
Research incl. research stations	4,606	5,215	5,207	20,704	11,078	24,473	16,464
Training Institutes	2,285	3,879	3,647	6,684	7,674	14,341	12,457
Other Headquarter	47,284	34,958	30,735	85,824	59,558	75,331	68,144

Source of data: Estimates 2004-2010, financial Report

**Table A11: MACO initial budget excl. aid proje**

(Million current Kwacha)

Subhead	Actual				
	Non-Personnel				
	2004	2005	2006	2007	2008
	Actual	Actual	Actual	Actual	Actual
01 Headquarters	1,710	2,687	3,182	1,865	1,876
02 Human resources administration	847	928	751	824	1,354
03 Policy and Planning Department excl. projects	1,705	2,429	3,027	5,143	4,984
04 Agriculture department	16,297	14,120	10,473	18,201	13,413
05 ZARI	2,424	2,218	1,293	3,959	2,273
06 Veterinary and livestock development department	5,817	3,675	2,402	19,313	10,357
07 Agricultural training institutions	621	3,326	1,387	4,454	6,309
08 Fisheries department	1,299	1,278	1,290	3,847	4,653
09 Agribusiness and marketing department excl. FSP and FRA	418	2,108	330	881	401
10 Co-operatives department	833	763	679	6,398	768
11 Seed control and certification institute	325	859	216	2,459	2,417
12 National agriculture information services	897	1,877	1,187	1,550	700
13 Agriculture research stations		759	342	1,385	1,310
14 Fisheries research stations		440	242	1,290	1,245
15 Veterinary and livestock development research stations		313	141	5,284	1,032
16 Copperbelt - Provincial		427	715	2,081	1,614
17 Copperbelt - Districts		2,103	1,288	4,907	3,134
18 Central - Provincial		455	625	1,014	941
19 Central - Districts		1,061	436	3,415	2,657
20 Southern - Provincial		535	699	1,164	1,322
21 Southern - Districts		2,691	1,958	4,306	2,766
22 Northern - Provincial		564	409	1,826	1,351
23 Northern - Districts		3,138	1,787	8,160	2,744
24 Western - Provincial		498	217	1,437	746
25 Western - Districts		1,388	624	3,859	2,048
26 Eastern - Province		496	412	1,744	881
27 Eastern - Districts		1,946	519	4,765	1,342
28 North-western - Provincial		500	434	1,478	920
29 North-Western - Districts		1,834	1,030	3,331	2,969
30 Luapula - Provincial		573	355	1,376	814
31 Luapula - Districts		1,980	905	3,028	2,262
32 Lusaka - Provincial		382	280	1,410	1,119
33 Lusaka - Districts		910	368	2,629	1,410
<b>Total MACO core by groups</b>	<b>33,193</b>	<b>59,259</b>	<b>40,002</b>	<b>128,784</b>	<b>84,130</b>
Provinces		4,430	4,146	13,530	9,707
Districts		17,051	8,915	38,401	21,332
Research incl. research stations	2,424	3,730	2,017	11,918	5,860
Training Institutes	621	3,326	1,387	4,454	6,309
Other Headquarter	30,148	30,723	23,537	60,481	40,922

Source of data: Estimates 2004-2010, financial Report

**Table A12: MACO core expenditure: personal emoluments e non-PE**

Actual expenditure, current prices					Million K
	2004	2005	2006	2007	2008
<b>All core MACO expenditure</b>	<b>91,500</b>	<b>133,281</b>	<b>122,792</b>	<b>227,078</b>	<b>194,165</b>
of which					
Provinces	0	53,299	60,387	80,665	82,649
Districts	0	17,051	8,915	38,401	21,332
ZARI and research stations	7,125	7,066	7,130	17,973	11,482
Training Institutes	6,650	9,298	7,584	11,940	14,523
Other HQ	77,725	46,567	38,775	78,099	64,180
<b>Personal Emoluments</b>	<b>58,307</b>	<b>74,022</b>	<b>82,789</b>	<b>98,294</b>	<b>110,036</b>
of which					
Provinces	0	48,869	56,241	67,135	72,941
Districts	0	0	0	0	0
ZARI and research stations	4,701	3,337	5,113	6,055	5,622
Training Institutes	6,029	5,972	6,197	7,485	8,214
Other HQ	47,578	15,845	15,238	17,618	23,258
<b>Other expenditure</b>	<b>33,193</b>	<b>59,259</b>	<b>40,002</b>	<b>128,784</b>	<b>84,130</b>
of which					
Provinces	0	4,430	4,146	13,530	9,707
Districts	0	17,051	8,915	38,401	21,332
ZARI and research stations	2,424	3,730	2,017	11,918	5,860
Training Institutes	621	3,326	1,387	4,454	6,309
Other HQ	30,148	30,723	23,537	60,481	40,922
CPI, 2008=100 (base 1994)	62.3	73.7	80.4	88.9	100.0
	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>Ratio of non-PE expenditure to salaries in each group's spending</b>	56.9%	80.1%	48.3%	131.0%	76.5%
of which					
Provinces and districts		44.0%	23.2%	77.4%	42.6%
ZARI and research stations	51.6%	111.8%	39.5%	196.8%	104.2%
Training Institutes	10.3%	55.7%	22.4%	59.5%	76.8%
Other HQ	63.4%	193.9%	154.5%	343.3%	175.9%
<b>% distribution of overall non-PE spending across groups</b>					
Provinces and districts	0.0%	36.2%	32.7%	40.3%	36.9%
ZARI and research stations	7.3%	6.3%	5.0%	9.3%	7.0%
Training Institutes	1.9%	5.6%	3.5%	3.5%	7.5%
Other HQ	90.8%	51.8%	58.8%	47.0%	48.6%

<b>Actual expenditure, constant prices</b>	Million K of 2008				
	2004	2005	2006	2007	2008
<b>All core MACO expenditure</b>	<b>146,867</b>	<b>180,799</b>	<b>152,789</b>	<b>255,339</b>	<b>194,165</b>
of which					
Provinces	0	72,301	75,140	90,705	82,649
Districts	0	23,130	11,093	43,180	21,332
ZARI and research stations	11,436	9,586	8,872	20,210	11,482
Training Institutes	10,675	12,613	9,437	13,426	14,523
Other HQ	124,757	63,170	48,248	87,819	64,180
<b>Personal Emoluments</b>	<b>93,589</b>	<b>100,413</b>	<b>103,014</b>	<b>110,527</b>	<b>110,036</b>
of which					
Provinces	0	66,292	69,981	75,491	72,941
Districts	0	0	0	0	0
ZARI and research stations	7,545	4,526	6,362	6,809	5,622
Training Institutes	9,677	8,101	7,711	8,417	8,214
Other HQ	76,367	21,494	18,961	19,811	23,258
<b>Other expenditure</b>	<b>53,278</b>	<b>80,386</b>	<b>49,775</b>	<b>144,812</b>	<b>84,130</b>
of which					
Provinces	0	6,009	5,159	15,214	9,707
Districts	0	23,130	11,093	43,180	21,332
ZARI and research stations	3,891	5,060	2,510	13,401	5,860
Training Institutes	997	4,512	1,726	5,009	6,309
Other HQ	48,390	41,676	29,287	68,008	40,922