

## **Ukraine: Statistical Appendix**

This Statistical Appendix paper for **Ukraine** was prepared by a staff team of the International Monetary Fund as background documentation for the periodic consultation with the member country. It is based on the information available at the time it was completed on **April 28, 2003**. The views expressed in this document are those of the staff team and do not necessarily reflect the views of the government of **Ukraine** or the Executive Board of the IMF.

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## UKRAINE

### Statistical Appendix

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Table 1. Ukraine: Gross Domestic Product, 1998–2002  
(In billions of hryvnia; at current prices)

	1998	1999				2000				2001 1/				2002 1/			
	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec
Gross domestic product (GDP)	102.6	25.3	55.0	93.2	130.4	32.3	70.2	121.4	170.1	40.5	87.1	147.5	204.2	43.7	93.6	157.7	220.6
Labor payments	49.3	12.1	26.0	41.8	57.8	14.8	31.9	51.9	71.9	18.2	39.8	64.0	86.4	20.3	43.8	70.2	96.3
Consumption of fixed capital and net profit	33.5	8.6	19.1	35.0	49.6	12.1	26.2	49.5	69.7	16.5	35.5	64.6	90.5	16.8	35.9	66.1	94.2
Net taxes on production and imports	19.8	4.6	9.9	16.4	23.0	5.4	12.1	20.0	28.5	5.8	11.8	18.9	27.3	6.6	13.9	21.4	30.1
Memorandum item:																	
Cumulative change in real GDP	-1.9	-3.5	-2.7	-1.3	-0.2	5.2	4.7	5.6	5.9	8.2	9.9	10.5	9.2	4.1	4.4	4.3	4.6

Source: Ukrainian State Statistics Committee.

1/ Preliminary quarterly data.

Table 2. Ukraine: Retail Turnover in Goods, 1998-2002 1/

	1998	1999	2000 2/	2001	2002 3/
(Percentage change at comparable prices relative to the same period of the previous year)					
January	3.3	-13.7	12.1	11.0	18.1
February	2.4	-11.2	14.0	4.6	19.2
March	0.1	-11.0	8.4	10.8	17.8
April	-0.2	-12.6	8.4	11.2	20.4
May	-0.8	-10.9	9.3	12.0	14.8
June	-2.5	-7.2	4.6	11.8	8.1
July	-6	-10.2	8.3	17.0	12.1
August	-6.2	-7.2	11.9	12.9	12.3
September	-6	-4.8	5.7	12.1	9.7
October	-7.2	5.3	2.9	13.4	11.7
November	-9.6	13.8	5.0	12.6	11.9
December	-10.5	11.8	3.8	16.0	14.5
(Cumulative percentage change at comparable prices relative to the same period of the previous year)					
January	3.3	-13.7	12.1	11.0	18.1
January-February	2.9	-12.8	13.0	7.3	18.8
January-March	0.4	-12.8	10.9	9.7	19.2
January-April	-0.4	-13.3	10.1	10.0	19.2
January-May	-0.8	-12.8	9.8	10.5	18.4
January-June	-1.5	-12.1	9.1	10.9	16.4
January-July	-2.3	-12.3	8.8	11.6	15.8
January-August	-3.1	-11.5	9.1	11.6	15.4
January-September	-3.4	-10.9	8.5	11.8	14.9
January-October	-3.6	-9.2	7.8	11.9	15.1
January-November	-4.5	-7.1	7.3	12.4	14.7
January-December	-5.4	-5.4	6.9	12.6	14.8
Year (finalized data)	-6.6	-7.1	8.1	13.7	14.8

Sources: Ukrainian State Statistics Committee.

1/ Retail trade of all registered enterprises in the state and cooperative sectors.

2/ Compilation of data on services was discontinued in 2000.

3/ Finalized data for year 2002 is still preliminary.

Table 3. Ukraine: Utilization of Gross Domestic Product, 1998–2002  
(In billions of hryvnia; at current prices)

	1998	1999				2000				2001				2002 1/			
	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec
Gross domestic product	102.6	25.3	55.0	93.2	130.4	32.3	70.2	121.4	170.1	40.5	87.1	147.5	204.2	43.7	93.6	157.7	220.6
Final consumption	83.5	22.0	42.9	73.0	100.5	25.9	55.4	92.1	128.0	33.7	70.6	114.3	156.3	37.5	77.7	123.0	168.8
Households	58.3	15.0	31.7	52.7	71.3	19.4	40.5	67.3	92.4	25.2	51.9	82.5	112.2	27.9	57.1	90.3	120.2
Nonprofit organizations	3.1	0.7	1.4	2.3	3.3	0.8	1.7	2.7	3.9	0.9	1.8	3.0	4.0	1.0	1.8	3.1	4.0
Government	22.1	6.3	9.8	18.0	25.9	5.7	13.2	22.1	31.7	7.6	16.9	28.8	40.1	8.6	18.8	29.6	44.6
Gross accumulation of fixed assets	20.1	4.3	9.6	16.7	25.1	5.6	12.7	21.6	33.4	6.9	15.7	27.3	40.2	7.3	17.2	29.7	44.7
Change in inventories and net acquisition of valuables	1.3	-0.5	-3.0	-4.0	-2.4	0.7	-0.6	0.3	0.1	-1.3	-2.0	2.1	4.3	-3.2	-5.0	-0.8	-3.0
Exports of goods and services	43.0	12.8	31.8	49.6	70.9	25.0	49.9	77.4	106.2	27.1	56.0	83.8	113.3	26.9	56.4	88.5	124.4
Imports of goods and services	-45.3	-13.3	-26.3	-42.1	-63.7	-24.9	-47.2	-70.0	-97.6	-25.9	-53.2	-80.0	-109.9	-24.8	-52.7	-82.7	-114.3

Source: Ukrainian State Statistics Committee.

1/ Preliminary quarterly data.

Table 4a. Ukraine: Gross Investment, 1996-2000

	1996	1997	1998	1999	2000
(In millions of hryvnia)					
Total investment	12,557	12,401	13,958	17,552	23,629
Material sphere	8,098	8,142	9,599	12,625	17,452
Industry	5,055	5,157	5,499	6,946	10,232
Agriculture	978	885	730	814	871
Construction	227	161	244	405	563
Transport and communications	1,606	1,666	2,802	3,914	4,592
Trade and other material services	232	273	324	546	1,194
Nonmaterial sphere	4,459	4,259	4,359	4,927	6,177
Housing	2,443	2,390	2,414	2,820	3,403
Other nonmaterial services	2,016	1,869	1,945	2,107	2,774
(Real percentage change)					
Total investment	-22.0	-8.8	6.1	0.4	14.4
Material sphere	-16.8	-8.5	9.0	4.8	17.2
Industry	-17.4	-8.1	-2.2	0.9	23.8
Agriculture	-24.5	-17.6	-24.2	-8.3	-11.4
Construction	-8.1	-34.8	40.5	35.1	11.0
Transport and communications	-11.0	-2.7	56.4	9.0	2.9
Trade and other material services	-12.5	8.2	10.4	36.8	85.5
Nonmaterial sphere	-29.9	-9.4	0.8	-8.4	8.1
Housing	-27.1	-7.0	0.7	-5.0	5.9
Other nonmaterial services	-33.1	-12.4	1.0	-12.7	11.0
(Share in current prices)					
Total investment	100.0	100.0	100.0	100.0	100.0
Material sphere	64.5	65.7	68.8	71.9	73.9
Industry	40.3	41.6	39.4	39.6	43.3
Agriculture	7.8	7.1	5.2	4.6	3.7
Construction	1.8	1.3	1.8	2.3	2.4
Transport and communications	12.8	13.4	20.1	22.3	19.4
Trade and other material services	1.8	2.3	2.3	3.1	5.1
Nonmaterial sphere	35.5	34.3	31.2	28.1	26.1
Housing	19.5	19.3	17.3	16.1	14.4
Other nonmaterial services	16.0	15.0	13.9	12.0	11.7

Sources: Ukrainian State Statistics Committee.

Table 4b. Ukraine: Gross Investment by Type of Economic Activity, 2001-2002

	2001	2002 Jan-Sept
(In millions of hryvnia)		
<b>Total Investment</b>	32,573	19,839
Agriculture, hunting, and forestry	1,617	861
Fishery	20	14
Mining industry	4,234	2,667
Manufacturing industry	7,084	4,651
Production and distribution of electricity, gas and water	2,333	1,545
Construction	1,109	939
Wholesale and retail trade, trade of vehicles, maintenance services	1,285	687
Hotels and Restaurants	469	229
Transport	7,452	3,853
Finance	530	415
Real estate operations, renting out and related business services	4,545	3,054
Public administration	328	109
Education	407	199
Health and social protection	474	265
Collective and individual services	686	351
(Real percentage change)		
<b>Total Investment</b>	20.8	6.2
Agriculture, hunting, and forestry	53.3	11.5
Fishery	142.1	349.6
Mining industry	7.1	-10.4
Manufacturing industry	18	25
Production and distribution of electricity, gas and water	11.5	-7.7
Construction	-6.8	58.6
Wholesale and retail trade, trade of vehicles, maintenance services	54	98.2
Hotels and Restaurants	23.4	38.9
Transport	40.5	-14.4
Finance	-15.3	59.5
Real estate operations, renting out and related business services	8.8	15.8
Public administration	-2.2	-23.1
Education	38.9	-10.3
Health and social protection	16.1	-26.1
Collective and individual services	36.4	15.3
(Share in current prices)		
<b>Total Investment</b>	100.0	100.0
Agriculture, hunting, and forestry	5.0	4.3
Fishery	0.1	0.1
Mining industry	13.0	13.4
Manufacturing industry	21.7	23.4
Production and distribution of electricity, gas and water	7.2	7.8
Construction	3.4	4.7
Wholesale and retail trade, trade of vehicles, maintenance services	3.9	3.5
Hotels and Restaurants	1.4	1.2
Transport	22.9	19.4
Finance	1.6	2.1
Real estate operations, renting out and related business services	14.0	15.4
Public administration	1.0	0.6
Education	1.2	1.0
Health and social protection	1.5	1.3
Collective and individual services	2.1	1.8

Source: Ukrainian State Statistics Committee.



Table 5. Ukraine: Gross Domestic Product by Sector, 1998–2002

	1998	1999				2000				2001				2002 1/			
	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec	Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec
(In billions of hryvnia; at current prices)																	
Gross domestic product	102.6	25.3	55.0	93.2	130.4	32.3	70.2	121.4	170.1	40.5	87.1	147.5	204.2	43.7	93.6	157.7	220.6
Of which:																	
Industry	25.9	7.5	15.9	25.2	35.5	9.8	20.8	32.1	45.3	14.4	30.6	46.4	55.3	14.6	31.5	48.2	67.2
Construction	4.9	1.0	2.4	3.9	5.4	1.2	2.7	4.4	6.1	1.2	3.0	5.2	7.3	1.3	3.0	5.1	7.5
Agriculture 2/	12.2	1.2	3.1	10.6	15.3	1.6	4.2	17.4	24.5	2.1	5.8	21.1	29.4	2.3	6.4	21.4	29.6
Trade 3/	8.5	1.9	4.3	6.9	10.3	3.2	6.9	11.1	16.4	4.0	8.8	14.3	22.4	4.5	9.5	15.2	21.7
Transportation 4/	12.6	3.4	7.2	11.1	15.4	4.5	9.3	14.5	19.8	5.4	11.0	16.7	24.6	5.8	11.7	18.3	25.3
Other services	23.9	6.2	13.2	20.5	27.7	7.4	16.1	25.0	33.9	8.7	18.3	28.7	44.3	9.9	20.5	32.4	45.1
(Real percentage change)																	
Gross domestic product	-1.9	-3.5	-2.7	-1.3	-0.2	5.2	4.7	5.6	5.9	8.2	9.9	10.5	9.2	4.1	4.4	4.3	4.6
Of which:																	
Industry	0.0	-0.9	-0.4	3.4	6.0	4.5	4.6	4.7	5.0	13.9	14.9	13.9	11.3	2.4	5.1	5.6	6.6
Construction	-0.4	-15.2	-9.5	-6.9	-6.6	-4.6	-5.5	-5.7	-6.1	10.2	11.4	12.0	7.8	0.7	-4.4	-3.1	-0.7
Agriculture 2/	-11.2	2.6	0.0	-3.9	-3.7	-0.3	-0.2	9.8	12.5	7.7	8.9	13.5	10.2	9.2	11.1	4.5	3.6
Trade 3/	-1.7	5.0	4.6	6.0	7.8	10.9	10.0	10.1	9.1	17.8	21.9	25.9	43.0	16.8	10.6	9.9	8.1
Transportation 4/	1.2	-11.6	-8.8	-7.8	-7.3	5.2	3.9	3.3	2.8	-2.0	1.0	1.0	5.1	3.3	1.9	3.9	4.3
Other services	-1.3	-3.6	-3.8	-3.1	-3.2	3.1	2.7	2.2	2.2	0.2	1.0	0.9	12.7	0.4	0.5	0.2	0.9

Sources: Ukrainian State Statistics Committee.

1/ Preliminary quarterly data.

2/ Agriculture includes forestry.

3/ Freight and passenger transport, including communications.

4/ Includes public catering, material procurement, sales, and provisioning.

Table 6a. Ukraine: Gross Industrial Production, 1996-2000

	1996	1997	1998	1999	2000
(In billions of hryvnia; at current prices)					
Total industry	73.3	75.1	82.9	107.5	144.5
<i>Of which:</i>					
Power generation	9.3	9.5	13.6	17.5	17.5
Fuels and energy 1/	8.8	8.3	9.6	12.0	14.6
Ferrous metallurgy	15.9	17.0	19.0	25.6	39.6
Nonferrous metallurgy	1.1	1.1	1.3	2.3	3.5
Chemical and petrochemical 2/	4.9	4.4	4.7	5.8	8.6
Machine building 2/	11.0	11.9	12.5	15.1	19.4
Wood and paper 3/	1.6	1.5	1.4	2.3	3.5
Construction materials	2.4	2.4	2.7	3.3	3.9
Light industry	1.5	1.3	1.3	1.7	2.3
Food industry	11.9	12.7	12.4	16.3	24.3
(Share in total)					
Total industry	100.0	100.0	100.0	100.0	100.0
<i>Of which:</i>					
Power generation	12.6	12.6	16.5	16.2	12.1
Fuel and energy 1/	12.1	11.1	11.6	11.2	10.1
Ferrous metallurgy	21.6	22.7	22.9	23.8	27.4
Nonferrous metallurgy	1.4	1.5	1.6	2.2	2.4
Chemical and petrochemical 2/	6.7	5.9	5.7	5.4	5.9
Machine building 2/	14.9	15.8	15.1	14.1	13.4
Wood and paper 3/	2.2	2.0	1.7	2.2	2.4
Construction materials	3.3	3.3	3.3	3.1	2.7
Light industry	2.1	1.8	1.5	1.6	1.6
Food industry	16.3	16.9	14.9	15.1	16.8
(Real percentage change) 4/					
Total industry	-5.1	-0.3	-1.0	4.0	12.4
<i>Of which:</i>					
Power generation	-6.9	-2.6	-0.2	6.6	-2.9
Fuel and energy 1/	-6.7	6.2	-0.2	-0.8	-4.1
Ferrous metallurgy	11.9	8.1	-6.8	6.2	20.5
Nonferrous metallurgy	8.0	9.4	13.1	13.7	20.9
Chemical and petrochemical 2/	-4.6	-1.4	1.6	0.3	7.6
Machine building 2/	-26.1	-0.2	-3.0	-2.1	17.0
Wood and paper 3/	-18.6	-0.9	7.9	21.5	36.8
Construction materials	-34.2	-10.4	5.2	-1.9	-0.8
Light industry	-24.6	1.1	4.5	8.1	40.6
Food industry	-7.2	-10.3	-1.1	7.0	23.1

Sources: Ukrainian State Statistics Committee.

1/ Fuel and energy complex includes fuel and nuclear energy.

2/ Excludes production for medical purposes.

3/ Data for 1996 and 1997 include forestry.

4/ Percent change over corresponding period of the previous year.

Table 6b. Ukraine: Gross Industrial Production in 2001-02

	2001	2002 1/			
		Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec
		(In billions of hryvnia; at current prices)			
Total Industry	184.3	37.7	78.1	121.9	171.2
Mining industry	20.0	4.5	9.5	14.6	19.8
Extraction of energy carriers	13.4	3.1	6.4	9.6	13.0
Extraction of non-energy materials	6.6	1.4	3.1	5.0	6.8
Manufacturing industry	138.3	25.8	56.2	89.9	126.2
<i>of which:</i>					
Food and agricultural goods processing	35.1	6.2	13.6	21.8	30.9
Light industry	3.0	0.5	1.0	1.6	2.2
Wood production	1.4	0.2	0.5	0.7	1.0
Pulp and paper industry, publication	5.1	0.7	1.5	2.5	3.3
Production of coke and refined petroleum products	10.1	1.5	3.6	6.3	9.8
Chemicals	12.7	2.5	5.2	7.9	10.8
Production of non-metal mineral goods (construction materials, etc.)	5.8	1.0	2.4	4.0	5.4
Metallurgy and processing of metals	38.0	7.9	17.6	28.1	39.0
Machine building	21.2	4.6	9.6	15.2	21.3
Production and distribution of electricity, gas and water	26.0	7.4	12.4	17.4	25.2
		(Share in total)			
Total Industry	100.0	100.0	100.0	100.0	100.0
Mining industry	10.9	12.1	12.1	11.9	11.6
Extraction of energy carriers	7.3	8.3	8.1	7.8	7.6
Extraction of non-energy materials	3.6	3.8	4.0	4.1	4.0
Manufacturing industry	75.0	68.3	72.0	73.8	73.7
<i>of which:</i>					
Food and agricultural goods processing	19.1	16.4	17.4	17.9	18.0
Light industry	1.6	1.3	1.3	1.3	1.3
Wood production	0.8	0.6	0.6	0.6	0.6
Pulp and paper industry, publication	2.8	1.9	2.0	2.0	1.9
Production of coke and refined petroleum products	5.5	4.0	4.6	5.2	5.7
Chemicals	6.9	6.6	6.7	6.5	6.3
Production of non-metal mineral goods (construction materials, etc.)	3.1	2.7	3.1	3.3	3.1
Metallurgy and processing of metals	20.6	21.0	22.5	23.1	22.8
Machine building	11.5	12.3	12.3	12.5	12.5
Production and distribution of electricity, gas and water	14.1	19.6	15.9	14.3	14.7
		(Real percentage change)			
Total Industry	14.2	5.9	5.9	6.2	7.0
Mining industry	3.3	0.2	-0.1	1.3	2.3
Extraction of energy carriers	4.8	1.6	-0.2	-0.8	-0.8
Extraction of non-energy materials	0.2	-3.1	-0.4	4.8	7.7
Manufacturing industry	17.2	8.1	8.1	8.1	8.9
<i>of which:</i>					
Food and agricultural goods processing	18.2	12.1	10.6	8.8	8.4
Light industry	13.8	-0.8	-1.1	0.9	0.4
Wood production	28.0	26.6	25.2	26.0	23.4
Pulp and paper industry, publication	18.2	6.8	3.9	6.9	8.4
Production of coke and refined petroleum products	54.3	63.2	47.7	31.9	25.5
Chemicals	10.6	-1.4	2.8	5.6	6.5
Production of non-metal mineral goods (construction materials, etc.)	11.4	0.1	1.3	3.5	5.3
Metallurgy and processing of metals	4.9	-8.2	-2.5	1.2	3.9
Machine building	18.8	10.8	6.8	8.2	11.3
Production and distribution of electricity, gas and water	2.6	-1.9	-1.3	-0.1	1.1

Source: Ukrainian State Statistics Committee.

1/ Preliminary quarterly data.

Table 7a. Ukraine: Barter Operations in Industry, 1998–2000  
(In percent of total sales)

		Total	Power generation	Fuels industry	Ferrous metallurgy	Nonferrous metallurgy	Chemicals and petrochemicals	Machine- building	Wood and paper	Construction materials	Light industry	Food industry
1998	Jan-Mar	41.0	48.1	46.7	38.6	20.1	50.6	46.0	49.9	64.2	40.1	22.1
	Jan-Jun	41.7	50.6	48.1	40.0	20.5	51.4	45.5	52.1	64.3	42.5	20.9
	Jan-Sep	41.4	50.3	47.9	39.9	21.2	49.8	46.1	51.1	64.7	41.8	20.4
	Jan-Dec	42.5	47.9	57.8	40.8	20.2	49.3	42.9	48.6	65.8	40.0	24.8
1999	Jan-Mar	34.8	33.4	40.7	33.9	17.8	47.8	42.4	45.0	69.9	35.7	16.6
	Jan-Jun	34.6	32.1	41.0	34.5	17.6	47.6	41.4	42.9	67.3	35.3	16.7
	Jan-Sep	33.4	33.0	37.7	32.0	20.1	44.7	41.6	39.2	68.9	34.6	16.8
	Jan-Dec	32.7	29.0	39.0	31.4	20.6	41.8	40.9	36.6	68.6	33.3	19.9
2000	Jan-Mar	19.8	12.2	31.7	15.1	12.3	25.9	33.6	29.9	58.2	26.4	10.7
	Jan-Jun	19.2	18.4	28.0	12.9	12.8	23.9	30.7	27.3	54.0	24.3	11.1
	Jan-Sep	18.3	22.3	27.4	11.3	12.9	24.5	28.3	24.2	48.8	21.6	9.3
	Jan-Dec	17.1	18.6	26.5	9.5	11.2	21.8	26.7	22.2	45.5	21.4	12.0

Source: Ukrainian State Statistics Committee.

Table 7b. Ukraine: Barter Operations in Industry in 2001-02  
(In percent of total sales)

	2001	2002			
		Jan-Mar	Jan-Jun	Jan-Sep	Jan-Dec
<b>Total Industry</b>	<b>7.9</b>	<b>4.4</b>	<b>4.5</b>	<b>4.2</b>	<b>4.1</b>
<b>Mining industry</b>	<b>11.8</b>	<b>7.6</b>	<b>7.8</b>	<b>7.4</b>	<b>7.5</b>
Extraction of energy carriers	14.7	9.5	10	9.8	10
Extraction of non-energy materials	6.3	3.5	3.6	3.2	3
<b>Manufacturing industry</b>	<b>7.6</b>	<b>4.1</b>	<b>4.1</b>	<b>3.9</b>	<b>3.8</b>
<i>of which:</i>					
Food and agricultural goods processing	6.2	3.1	3	2.8	3.2
Light industry	11.9	9.6	8.6	8.1	7.5
Wood production	9.7	5.1	5	4.6	4.3
Pulp and paper industry, publication	2.2	1.4	1.2	1.1	1.1
Production of coke and refined petroleum products	5.8	3	3.4	3.4	3
Chemicals	8.6	4.4	4.4	4.9	4.9
Production of non-metal mineral goods (construction materials, etc.)	23.1	15.4	14.7	13.3	12.7
Metallurgy and processing of metals	3.3	1.6	1.9	1.8	1.7
Machine building	14.5	7.7	7.1	6.9	6.2
Production and distribution of electricity, gas and water	6.1	3.8	4.1	3.3	3.3

Source: Ukrainian State Statistics Committee.

Table 8. Ukraine: Output of Major Agricultural Products, 1998-2002

	1986-1990 Average	1998	1999	2000	2001	2002
(In thousand tons)						
Crop production						
Grains	47,431	26,471	24,581	24,459	39,706	38,804
Potatoes	17,965	15,405	12,723	19,838	17,344	16,619
Sugar beets	43,845	15,523	14,064	13,199	15,575	14,452
Vegetables	7,449	5,492	5,324	5,821	5,907	5,827
Fruits (including berries)	3,376	1,448	1,072	1,966	1,442	1,570
Flax	110	9	6	8	12	11
Animal products 1/						
Meat	4,309	1,706	1,695	1,663	1,517	1,639
Milk	24,059	13,753	13,362	12,658	13,444	14,142
Eggs 2/	17,215	8,901	8,740	8,809	9,668	11,309
Wool	30	5	4	3	3	3
(Percentage change from previous year)						
Crop production						
Grains	...	-25.4	-7.1	-0.5	62.3	-2.3
Potatoes	...	-7.8	-17.4	55.9	-12.6	-4.2
Sugar beets	...	-12.1	-9.4	-6.2	18.0	-7.2
Vegetables	...	6.3	-3.1	9.3	1.5	-1.4
Fruits (including berries)	...	-53.5	-26.0	83.4	-26.7	8.8
Flax	...	0.0	-33.3	33.3	50.0	-8.3
Animal products 1/						
Meat	...	-0.9	-0.7	-1.9	-8.8	8.0
Milk	...	-0.1	-2.8	-5.3	6.2	5.2
Eggs	...	0.7	5.3	0.8	9.8	17.0
Wool	...	-31.8	-17.5	-9.6	-3.9	3.9
(Index)						
Crop production						
Grains	100.0	55.8	51.8	51.6	83.7	81.8
Potatoes	100.0	85.8	70.8	110.4	96.5	92.5
Sugar beets	100.0	35.4	32.1	30.1	35.5	33.0
Vegetables	100.0	73.7	71.5	78.1	79.3	78.2
Fruits (including berries)	100.0	42.9	31.8	58.2	42.7	46.5
Flax	100.0	8.2	5.5	7.3	10.9	10.0
Animal products 1/						
Meat	100.0	39.6	39.3	38.6	35.2	38.0
Milk	100.0	57.2	55.5	52.6	55.9	58.8
Eggs	100.0	48.2	50.8	51.2	56.2	65.7
Wool	100.0	15.4	12.6	11.4	11.0	11.4

Sources: State Statistics Committee of Ukraine.

1/ Data for 2002 is preliminary.

2/ In millions.

Table 9. Ukraine: Agricultural Production, 1998-2002

	1998	1999	2000	2001	2002 1/
(In billions of 2000 hryvnia)					
Total gross agricultural production	54.5	50.7	55.7	61.4	62.5
Crop production	30.8	27.6	33.6	37.8	37.2
Of which:					
Grains	11.5	10.4	10.9	17.4	17.0
Potatoes, Vegetables	11.6	10.1	14.2	13.1	12.4
Fruits	1.4	1	2.3	1.8	1.9
Animal production	23.7	23.1	22.1	23.6	25.3
Of which:					
Livestock for slaughter 2/	11.6	11.3	10.7	11.4	12.3
Milk	9.1	8.8	8.4	8.9	9.3
Eggs	2.0	2.1	2.1	2.3	2.7
(In millions of hryvnia, at actual prices)					
Total gross agricultural production	32,758	37,683	54,259	65,218	64,380
Crop production	18,164	21,775	31,680	37,033	... 3/
Animal production	14,194	15,343	21,812	27,338	...
Agricultural services	400	565	767	847	...
Material inputs	20,862	23,017	30,871	36,571	36,013
Crop production	10,761	12,255	16,418	17,803	...
Animal production	9,893	10,481	14,070	18,341	...
Agricultural services	208	281	383	427	...
Net material product	11,896	14,666	23,388	28,647	28,367
Crop production	7,403	9,520	15,262	19,230	...
Animal production	4,301	4,862	7,742	8,997	...
Agricultural services	192	284	384	420	...
(Real percentage changes from the same period of the previous year)					
Total gross agricultural production	-9.6	-6.9	9.8	10.2	1.9
Crop production	-17.2	-10.3	21.9	12.4	-1.5
Animal production	2.5	-2.4	-4.7	7.0	7.2
Material inputs	-7.9	-8.0	8.3	8.9	0.8
Net material product	-11.3	-4.9	12.2	10.4	3.5

Sources: Ukrainian State Statistics Committee.

1/ Preliminary data.

2/ Cattle and poultry breeding.

3/ Data will be available in July 2003.

Table 10. Ukraine: Monthly Price Movements, 1998-2003 (March)  
(in percent)

	Consumer Price Index		Producer Price Index	
	Change over preceding month 1/	Change over 12 months 2/	Change over preceding month 1/	Change over 12 months 2/
<b>1998</b>				
January	1.3	9.1	0.8	5.4
February	0.2	8.1	0.9	5.9
March	0.2	8.2	0.7	5.9
April	1.3	8.7	0.5	5.5
May	0.0	7.9	0.0	5.2
June	0.0	7.7	0.2	5.0
July	-0.9	6.7	0.5	5.1
August	0.2	6.9	1.2	6.4
September	3.8	9.6	9.4	16.3
October	6.2	15.4	10.7	27.3
November	3.9	17.8	3.5	32.1
December	3.3	20.0	2.9	35.1
Average	10.6		13.0	
<b>1999</b>				
January	1.3	20.2	0.8	35.3
February	1.0	21.2	1.1	35.5
March	1.0	22.2	0.4	35.2
April	2.3	23.4	1.7	36.9
May	2.4	26.3	0.5	37.5
June	0.1	26.5	0.8	38.4
July	-1.0	26.3	1.3	39.4
August	1.0	27.3	3.5	42.5
September	1.4	24.4	0.8	31.3
October	1.1	18.4	0.7	19.5
November	2.9	18.3	1.4	17.0
December	4.1	19.2	1.7	15.7
Average	22.7		31.1	
<b>2000</b>				
January	4.6	22.9	3.2	18.5
February	3.3	25.7	1.8	19.2
March	2.0	26.9	2.7	22.0
April	1.7	26.2	2.0	22.3
May	2.1	25.8	0.6	22.4
June	3.7	30.3	0.9	22.3
July	-0.1	31.5	1.4	22.7
August	0.0	30.2	0.7	19.4
September	2.6	31.7	1.2	19.8
October	1.4	32.1	1.3	20.5
November	0.4	28.9	1.0	20.1
December	1.6	25.8	2.1	20.6
Average	28.2		20.8	
<b>2001</b>				
January	1.5	22.1	0.8	17.8
February	0.6	18.9	0.6	16.4
March	0.6	17.3	-0.5	12.8
April	1.5	17.0	0.2	10.8
May	0.4	15.1	0.0	10.1
June	0.6	11.6	0.2	9.4
July	-1.7	9.9	0.1	8.0
August	-0.2	9.6	-0.1	7.1
September	0.4	7.3	0.1	6.0
October	0.2	6.0	-0.7	3.9
November	0.5	6.1	0.7	3.6
December	1.6	6.1	-0.5	0.9
Average	12.0		8.7	
<b>2002</b>				
January	1.0	5.6	-0.4	-0.3
February	-1.4	3.5	0.7	-0.2
March	-0.7	2.2	-0.8	-0.5
April	1.4	2.1	1.2	0.5
May	-0.3	1.4	1.5	2.0
June	-1.8	-1.1	2.2	4.0
July	-1.5	-0.9	1.0	4.9
August	-0.2	-0.9	-0.4	4.5
September	0.2	-1.1	0.3	4.7
October	0.7	-0.6	0.2	5.7
November	0.7	-0.4	0.2	5.2
December	1.4	-0.5	0.0	5.7
Average	0.8		3.0	
<b>2003</b>				
January	1.5	-0.1	0.5	6.6
February	1.1	2.5	0.7	6.6
March	1.1	4.3	...	...

Sources: Ukrainian State Statistics Committee and Fund staff estimates.

1/ Average annual data represent the average monthly change.

2/ Calculated from the monthly rates of change.



Table 11. Ukraine: Components of the  
Consumer Price Index, 1998-2003

(Monthly rates of change)

	Overall Index	Food	Nonfood	Services
<b>1998</b>				
January	1.3	1.9	0.1	1.0
February	0.2	0.3	0.0	0.1
March	0.2	0.3	0.0	0.1
April	1.3	1.9	0.1	1.1
May	0.0	-1.2	0.0	2.1
June	0.0	-1.2	0.0	2.1
July	-0.9	-2.3	0.1	0.8
August	0.2	-0.1	0.3	0.6
September	3.8	4.6	6.1	1.9
October	6.2	6.7	12.0	1.4
November	3.0	4.3	2.9	0.9
December	3.3	6.0	0.9	0.2
Change over 12 months	20.0	22.1	24.1	13.0
<b>1999</b>				
January	1.5	2.5	0.4	0.3
February	1.0	1.8	0.2	0.2
March	1.0	1.5	0.1	0.6
April	2.3	1.7	0.3	5.0
May	2.4	2.4	0.4	3.8
June	0.1	0.7	1.0	-1.8
July	-1.0	-3.2	4.0	-0.3
August	1.0	0.8	1.3	1.1
September	1.4	2.2	-0.8	1.5
October	1.1	1.8	0.2	0.2
November	2.9	5.0	1.0	0.2
December	4.1	6.6	2.1	0.7
Change over 12 months	19.2	26.2	10.6	11.9
<b>2000</b>				
January	4.6	5.5	1.3	5.4
February	3.3	3.6	1.2	4.3
March	2.0	2.0	0.8	2.9
April	1.7	0.6	0.6	4.9
May	2.1	3.1	0.4	1.1
June	3.7	3.3	0.7	6.0
July	-0.1	-0.4	0.6	0.4
August	0.0	-0.3	0.5	0.5
September	2.6	3.7	0.9	0.7
October	1.4	1.7	0.8	0.7
November	0.4	0.3	0.6	0.5
December	1.6	2.3	0.2	0.3
Change over 12 months	25.8	28.4	8.9	31.2
<b>2001</b>				
January	1.5	2.0	0.1	1.0
February	0.6	0.8	0.1	0.3
March	0.6	0.8	0.1	0.3
April	1.5	2.2	0.0	0.3
May	0.4	0.6	0.0	0.2
June	0.6	0.7	0.0	0.6
July	-1.7	-2.7	0.1	0.2
August	-0.2	-0.3	0.1	0.3
September	0.4	0.4	0.1	0.6
October	0.2	0.1	0.0	0.8
November	0.5	0.6	-0.1	0.5
December	1.6	2.5	-0.3	0.1
Change over 12 months	6.1	7.9	0.2	5.3
<b>2002</b>				
January	1.0	1.5	0.0	0.2
February	-1.4	-2.1	0.1	0.0
March	-0.7	-1.0	-0.2	0.0
April	1.4	2.2	0.0	0.0
May	-0.3	-0.3	0.1	-0.4
June	-1.8	-3.2	0.9	0.5
July	-1.5	-2.7	0.0	0.5
August	-0.2	-0.7	0.1	0.9
September	0.2	0.2	0.2	0.4
October	0.7	0.7	0.3	0.9
November	0.7	1.1	0.1	0.3
December	1.4	2.2	0.0	0.1
Change over 12 months	-0.6	-2.3	1.6	3.4
<b>2003</b>				
January	1.5	2.0	0.1	0.8
February	1.1	1.5	0.0	0.4
March	1.1	1.6	0.0	0.2

Sources: Ukrainian State Statistics Committee and Fund staff estimates.

Table 12. Ukraine: Population, Labor Force, and Employment, 1998–2002  
(In thousands of persons)

	1998	1999	2000	2001 1/	2002 1/
Population 2/	50,245	49,850.9	49,456	49,037	48,241 4/
Outside active age	22,037	21,652	21,177	20,628	20,237 4/
Active age	28,208	28,199	28,279	28,409	28,004 4/
Total employment 3/	22.3	22	21	21	
State sector	36.3	36	34	45	
Collective and cooperative sector	39.5	39	36	32	
Private sector	24.2	26	30	23	

Source: Ukrainian State Statistics Committee.

1/ Data are preliminary and will be revised once All-Ukrainian Census results are finally processed.

2/ Beginning of period.

3/ Annually-reported information (average).

4/ As per All-Ukrainian Census data as of 05-DEC-2002.

Table 13. Ukraine: Average Employment by Type of Economic Activity, 1998–2001  
(In millions of persons)

	1998	1999	2000	2001 1/
<b>Total 2/</b>	<b>22.3</b>	<b>21.8</b>	<b>21.3</b>	<b>20.9</b>
<b>Hired workers of enterprises, institutions and organizations</b>	<b>17.3</b>	<b>16.6</b>	<b>15.8</b>	<b>15.0</b>
Industry	4.7	4.3	4.1	3.9
Agriculture, hunting, and forestry 3/	2.9	2.8	2.7	2.4
Construction	1.1	1.0	0.9	0.8
Transportation and communications	1.3	1.2	1.2	1.1
Trade and material services 4/	1.4	1.5	1.3	1.2
Communal and other consumer services	0.8	0.8	0.7	0.7
Health and social services	1.4	1.4	1.4	1.4
Education, culture, arts and science	2.3	2.2	2.2	2.1
Finance, credit and insurance	0.2	0.2	0.2	0.2
Public administration	0.8	0.8	0.8	0.9
Other	0.4	0.4	0.3	0.3
<b>Other employed in economic activity including employment in personal farms</b>	<b>5.0</b>	<b>5.2</b>	<b>5.5</b>	<b>5.9</b>
	<b>2.1</b>	<b>2.2</b>	<b>2.2</b>	<b>2.6</b>

Source: Ukrainian State Statistics Committee.

1/ Preliminary data.

2/ Annual average.

3/ Excluding employment in private farms and personal farms.

4/ Including public catering, technical procurement, sales, and storage.

**Table 14. Ukraine: Value Added by Type of Economic Activity, 1998–2002 1/**  
(In millions of Hryvnia)

	1998	1999	2000	2001	2002
<b>GDP</b>	102,593	130,442	170,070	204,190	220,556
<b>Industry</b>	25,912	35,522	45,327	55,337	67,238
<b>Agriculture 2/</b>	12,221	15,331	24,486	29,421	29,632
<b>Construction</b>	4,871	5,395	6,097	7,291	7,504
<b>Transportation and communications</b>	12,642	15,369	19,756	24,587	25,291
<b>Trade and material services 3/</b>	8,515	10,326	16,375	22,409	21,735
<b>Health and social services</b>	3,781	3,657	4,452	6,011	5,838
<b>Education and culture, arts</b>	5,604	6,415	8,107	10,185	10,491
<b>Other</b>	14,436	17,607	21,407	28,055	28,726

Source: Ukrainian State Statistics Committee.

1/ Classification changed to ISIC in 2002.

2/ Including forestry; in 2001 includes forestry and hunting.

3/ Including public catering, technical procurement, sales, and storage.

Table 15. Ukraine: Unemployment and Vacancies, 1999-2002 1/  
(In thousands of persons)

	Registered Unemployed	Recipients of Unemployment Benefits	Reported Vacancies	Unemployment Rate 2/	Unemployment Rate 3/
1999					
January	1,035.9	548.6	38.2		3.8
February	1,076.4	563.8	38.1		4.0
March	1,099.9	578.5	43.6	14.0	4.0
April	1,105.3	582.9	51.1		4.1
May	1,096.2	574.3	50.3		4.0
June	1,085.5	567.2	55.2	11.0	4.0
July	1,096.4	579.0	55.8		4.0
August	1,114.2	588.9	54.0		4.1
September	1,124.1	595.4	58.6	10.2	4.1
October	1,130.0	598.3	57.8		4.1
November	1,146.3	603.5	53.4		4.2
December	1,174.5	620.6	50.7	12.4	4.3
2000					
January	1,184.8	619.6	50.7		4.3
February	1,214.2	632.2	52.9		4.5
March	1,229.4	637.6	58.1	11.5	4.5
April	1,234.1	639.2	63		4.5
May	1,198.7	625.8	72.3		4.4
June	1,173.4	610.5	74.6	11.5	4.3
July	1,160.1	613.4	79.1		4.2
August	1,159.6	614.1	77.6		4.2
September	1,147.3	610.7	81.1	11.7	4.2
October	1,134.6	600.0	79.7		4.2
November	1,142.8	610.1	75.3		4.2
December	1,155.2	627.3	68.2	12.2	4.2
2001					
January	1,149.6	629.9	71.8		4.2
February	1,157.4	638.1	71.7		4.2
March	1,149.2	640.5	85.1	12.1	4.2
April	1,131.5	629.6	93.9		4.1
May	1,088.4	619.4	105.8		4.0
June	1,046.5	596.6	106.2	10.6	3.8
July	1,015.3	591.5	113.4		3.7
August	1,001.1	590.0	117.7		3.7
September	984.6	581.9	117.4	10.3	3.6
October	971.2	581.8	116.8		3.5
November	981.6	594.1	107		3.6
December	1,008.1	625.1	96.9	11.2	3.7
2002					
January	1,028.7	643.6	104.9		3.8
February	1,067.4	660.1	111.5		3.9
March	1,079.2	666.4	116.7	10.6	3.9
April	1,087.0	669.4	127.2		4
May	1,051.0	671.5	143.2		3.8
June	1,023.4	667.2	136.3	9.7	3.7
July	1,005.2	672.0	143.3		3.7
August	1,002.8	667.7	145		3.7
September	991.8	660.2	144.5	9.2	3.6
October	980.0	650.1	144.7		3.6
November	999.4	660.9	136.8		3.6
December	1,034.2	689.7	123.9	...	3.8

Source: Ukrainian State Statistics Committee.

1/ End of period.

2/ Based on ILO definition.

3/ In percent of working age population, excluding disabled persons.

Table 16. Ukraine: Wages and Prices, 1998- 2002

	Average Wages		Consumer Price Index	Real Wage	
	(In hryvnia per month)	(Monthly percent change)	(Monthly percent change)	(Index, 1991=1)	(Monthly percent change)
<b>1998</b>					
January	136.8	-17.5	1.3	0.23	-14.5
February	137.9	0.8	0.2	0.23	0.5
March	149.8	8.6	0.2	0.25	7.0
April	146.4	-2.3	1.3	0.24	-3.9
May	148.6	1.5	0.0	0.24	1.3
June	158.0	6.3	0.0	0.26	5.5
July	159.2	0.8	-0.9	0.26	1.0
August	153.2	-3.8	0.2	0.25	-3.7
September	156.4	2.1	3.8	0.25	-1.8
October	156.1	-0.2	6.2	0.23	-6.6
November	155.5	-0.3	3.0	0.22	-2.6
December	176.1	13.2	3.3	0.24	6.4
<b>1999</b>					
January	148.2	-15.8	1.5	0.20	-15.6
February	152.0	2.6	1.0	0.20	0.8
March	166.6	9.6	1.0	0.22	7.6
April	165.5	-0.6	2.3	0.21	-2.8
May	168.9	2.0	2.4	0.21	-0.4
June	180.8	7.0	0.1	0.22	6.9
July	183.3	1.4	1.0	0.23	2.4
August	180.9	-1.3	1.0	0.22	-2.3
September	186.4	3.0	1.4	0.23	1.4
October	186.9	0.2	1.1	0.23	-0.9
November	190.4	1.9	2.9	0.22	-1.6
December	218.9	15.0	4.1	0.24	10.3
<b>2000</b>					
January	181.0	-17.3	4.6	0.20	-20.0
February	190.6	5.3	3.3	0.20	0.8
March	210.7	10.5	2.0	0.21	7.8
April	205.4	-2.5	1.7	0.20	-4.6
May	213.2	3.8	2.1	0.21	1.7
June	228.8	7.3	3.7	0.21	3.0
July	238.5	4.2	-0.1	0.22	4.1
August	247.4	3.8	0.0	0.23	3.8
September	249.0	0.6	2.6	0.22	-2.3
October	254.1	2.0	1.4	0.22	0.5
November	257.6	1.4	0.4	0.22	0.2
December	296.3	15.0	1.6	0.25	12.2
<b>2001</b>					
January	253.4	-14.5	1.5	0.22	-13.6
February	263.7	4.1	0.6	0.22	3.0
March	281.0	6.6	0.6	0.23	5.1
April	288.9	2.8	1.5	0.24	0.7
May	303.0	4.9	0.4	0.25	4.6
June	317.8	4.9	0.6	0.26	4.6
July	327.3	3.0	-1.7	0.27	4.5
August	329.3	0.6	-0.2	0.27	0.8
September	326.3	-0.9	0.4	0.27	-1.2
October	335.8	2.9	0.2	0.28	2.1
November	334.4	-0.4	0.5	0.27	-1.1
December	378.5	13.2	1.6	0.30	11.2
<b>2002</b>					
January	320.8	-15.2	1.0	0.25	-15.5
February	328.7	2.5	-1.4	0.26	3.7
March	354.8	7.9	-0.7	0.28	7.8
April	355.8	0.3	1.4	0.28	-1.4
May	358.9	0.9	-0.3	0.28	1.4
June	377.4	5.2	-1.8	0.30	7.2
July	398.1	5.5	-1.5	0.32	6.8
August	390.1	-2.0	-0.2	0.32	-1.9
September	391.1	0.3	0.2	0.32	0.0
October	397.5	1.6	0.7	0.32	0.5
November	395.7	-0.5	0.7	0.32	-1.0
December	442.9	11.9	1.4	0.35	9.7

Sources: Ukrainian State Statistics Committee.

Table 17a. Ukraine: Average Wage by Type of Economic Activity, 1998-2001  
(In hryvnia)

	1998	1999	2000	2001
Total	153.00	178.00	230.13	311.08
Industry	184.00	217.00	310.42	419.00
Agriculture	89.00	102.00	111.46	151.20
Transportation	196.00	235.00	340.38	480.19
Forestry	221.00	261.00	323.64	404.68
Communication	221.00	261.00	323.64	404.68
Construction	188.00	211.00	267.16	374.66
Trade	137.00	178.00	229.62	288.66
Public catering	94.00	116.00	137.63	181.97
Information services	217.00	252.00	351.66	517.01
Housing	137.00	153.00	185.72	236.30
Communal services	197.00	222.00	266.03	330.46
Consumer services	107.00	128.00	179.55	240.75
Education	129.00	142.00	156.27	223.95
Health	126.00	131.00	139.15	182.85
Social security	107.00	113.00	118.88	158.96
Culture	99.00	106.00	116.40	160.91
Arts	119.00	141.00	173.01	237.44
Science	186.00	220.00	301.79	419.66
Finance	334.00	410.00	561.00	827.90
Public administration	206.00	231.00	348.90	409.76

Source: Ukrainian State Statistics Committee.

Table 17b. Ukraine: Average Wage by Type of Economic Activity, 2000-2002  
(In hryvnia)

	2000	2001	2002
<b>Total</b>	<b>230.13</b>	<b>311.08</b>	<b>376.38</b>
Agriculture, hunting, and forestry	113.89	154.42	182.90
Fishery	145.39	203.62	241.58
Industry	302.41	405.77	485.01
Mining industry	393.89	516.71	609.94
Manufacturing industry	270.67	368.27	441.25
Production and distribution of electricity, gas and water	403.99	475.93	562.13
Construction	260.13	362.33	427.49
Wholesale and retail trade	225.49	283.50	330.42
Hotels and Restaurants	177.57	234.77	286.12
Transport	335.32	459.92	572.50
Finance	559.25	833.03	976.14
Real estate operations, renting out and related business services	277.01	372.74	437.13
Public administration	336.52	396.30	495.03
Education	156.46	224.13	267.41
Health and social protection	138.71	182.72	223.46
Collective and individual services	162.69	210.22	246.52

Source: Ukrainian State Statistics Committee.



Table 17c. Ukraine: Average Monthly Wage by Type of Economic Activity, 2002  
(In hryvnia)

	2002											
	January	February	March	April	May	June	July	August	September	October	November	December
Total	320.8	328.7	354.8	355.8	358.9	377.4	398.1	390.1	391.1	397.5	395.7	442.9
Agriculture, hunting, and forestry	131.5	139.0	160.1	164.1	172.0	181.3	219.8	210.3	199.9	193.5	189.4	215.7
Fishery	187.2	225.2	226.7	225.7	215.9	223.6	243.4	273.1	253.3	245.8	258.1	314.6
Industry	423.8	425.5	462.3	468.5	462.0	476.0	509.0	505.8	505.2	519.5	508.9	555.7
Mining industry	571.7	545.8	592.0	599.5	586.2	593.8	615.3	627.6	621.9	629.9	636.1	695.9
Manufacturing industry	369.1	375.4	408.9	422.0	419.2	439.0	474.5	469.3	468.0	484.9	468.3	499.6
Production and distribution of electricity, gas and water	532.2	538.9	580.7	553.0	536.8	529.6	562.9	552.3	560.6	567.9	565.9	666.2
Construction	340.4	347.6	385.9	404.8	398.8	422.9	453.2	468.2	462.1	468.0	463.2	521.6
Wholesale and retail trade	295.5	294.1	312.9	309.6	311.1	322.4	343.9	343.8	343.4	348.3	347.5	376.3
Hotels and restaurants	242.5	250.7	277.7	271.3	277.2	278.7	285.8	288.8	305.1	303.2	302.2	344.3
Transport	521.7	533.8	532.3	526.4	540.9	547.2	601.3	612.6	590.5	599.5	603.2	648.1
Finance	789.5	856.1	902.0	962.0	991.4	983.5	1045.6	1039.8	906.1	996.6	1006.6	1209.1
Real estate operations, renting out and related business services	369.3	381.8	419.7	413.8	420.4	436.5	458.4	450.0	460.7	459.6	464.6	539.9
Public administration	388.2	415.7	462.1	460.5	469.4	517.4	520.7	519.0	497.2	514.8	523.0	634.3
Education	234.6	245.8	255.4	248.7	254.3	302.2	279.2	233.0	284.3	278.4	278.3	316.6
Health and social protection	187.5	194.6	227.0	216.8	226.6	241.2	233.6	227.3	225.5	226.4	228.5	250.6
Collective and individual services	214.6	222.4	246.8	243.1	243.0	253.7	256.6	244.0	259.7	255.7	256.1	287.5

Source: Ukrainian State Statistics Committee.

Table 18. Ukraine: Retail Trade and Catering Enterprises, 1998–2002

	Retail trade as of:					Catering as of:				
	Dec. 31, 1998	Dec. 31, 1999	Dec. 31, 2000	Dec. 31, 2001	Dec. 31, 2002	Dec. 31, 1998	Dec. 31, 1999	Dec. 31, 2000	Dec. 31, 2001	Dec. 31, 2002
Collective property	92,681	85,500	78,810	72,564	67,266	25,857	24,034	22,821	21,428	19,986
<i>Of which:</i>										
Cooperative	447	401	682	271	524	94	81	276	220	278
Leased enterprises	1,325	580	322	284	214	519	305	145	106	79
State property	15,907	13,852	12,656	11,917	10,680	8,303	7,661	7,116	6,982	6,801
Central government property	7,081	5,532	4,496	3,999	3,378	4,948	4,459	3,933	3,942	3,561
Communal property	8,826	8,320	8,160	7,918	7,302	3,355	3,202	3,183	3,040	3,240
Private property of Ukrainian residents	12,370	12,120	11,618	11,701	11,173	2,658	2,576	3,104	3,454	3,664
Foreign-owned property	74	90	162	211	198	60	71	91	110	117
Total	121,032	111,562	103,246	96,393	89,317	36,878	34,342	33,132	31,974	30,568

Source: Ukrainian State Statistics Committee.

Table 19. Ukraine: Ownership Structure in Agriculture, 1999–2002

	Number of farms/plots	Hectares per farm/plot	Area	Shares (in percent)	Annual Average Number of Workers	
			Thousands of hectares		Thousands	Shares (in percent)
January 1, 1999						
Nonstate agricultural enterprises	14,000	2,232	31,252	77.3	2,695	53.1
State farms	3,474	618	2,146	5.3	211	4.2
Interfarm enterprises	38,874	28	1,102	2.7	67 2/	1.3
Private (except farm enterprises) 1/	15,345,989	0.39	5,919	14.7	2,101	41.4
Total	15,402,337	2.6	40,419	100.0	5,074	100.0
January 1, 2000						
Nonstate agricultural enterprises	14,464	2,136	30,889	76.6	2,550	51.2
State farms	3,309	604	1,998	5.0	178	3.6
Interfarm enterprises	38,782	30	1,178	2.9	67 2/	1.4
Private (except farm enterprises) 1/	15,545,962	0.40	6,243	15.5	2,178	43.8
Total	15,602,517	2.6	40,308	100.0	4,973	100.0
January 1, 2001						
Nonstate agricultural enterprises	18,422	1,394	25,688	66.9	1,922	44.0
State farms	3,351	551	1,848	4.8	142	3.3
Interfarm enterprises	42,225	55	2,342	6.1	72 2/	1.6
Private (except farm enterprises) 1/	15,887,299	0.54	8,543	22.2	2,233	51.1
Total	15,951,297	2.4	38,421	100.0	4,369	100.0
January 1, 2002						
Nonstate agricultural enterprises	18,825	1,274.0	23,992	62.9	1,592	35.9
State farms	3,030	550.0	1,668	4.4	123	2.8
Interfarm enterprises	45,371	61.0	2,754	7.2	140 2/	3.2
Private (except farm enterprises) 1/	16,141,633	0.6	9,736	25.5	2,578	58.1
Total	16,208,859	2.4	38,150	100.0	4,433	100.0

Source: Ukrainian State Statistics Committee.

1/ Annual average.

2/ Calculations based on random sampling observation.

Table 20. Ukraine: Production of Major Energy Products, 1998–2002

	1998	1999	2000	2001	2002 1/	Domestic consumption					In percent of domestic consumption				
						1998	1999	2000	2001	2002 2/	1998	1999	2000	2001	2002
Crude petroleum (in millions of tons including gas condensate)	3.9	3.8	3.7	3.7	3.7	13.7	13.3	9.4	16.9	16.8	28.5	28.6	39.4	21.9	...
Natural gas (in billions of cubic meters)	17.3	17.3	17.2	17.6	17.7	71.1	71.5	68.4	65.8	42.9	24.3	24.2	25.1	26.7	...
Coal (in million of tons)	59.5	62.8	62.4	61.7	59.4	60.8	63.0	63.3	64.2	44.5	97.9	99.7	98.6	96.1	...
Electricity (in billions of kilowatts)	172.8	172.1	171.4	173.0	172.8	142.1	138.5	136.4	135.8	...	121.6	124.3	125.7	127.3	...
(In percent to the same period of the previous year)															
Crude petroleum	94.4	97.3	97.2	100.3	100.6	103.0	97.0	70.7	1.8 times	1.4 times	...	...	...	...	...
Natural gas	98.9	100.3	99.5	102.4	101.0	93.1	100.6	95.7	96.2	98.6	...	...	...	...	...
Coal	101.6	105.5	99.3	98.8	96.2	94.0	103.6	100.5	101.4	93.4	...	...	...	...	...
Electricity	97.1	99.6	99.6	100.9	100.4	95.1	97.4	98.5	99.6	...	...	...	...	...	...

Source: Ukrainian State Statistics Committee.

1/ Preliminary data.

2/ Data covers Jan-Sep 2002 only.

Table 21a. Ukraine: Overdue Payables by Enterprises, 1998-2000

	1998		1999		2000	
	Hrv million	% of GDP	Hrv million	% of GDP	Hrv million	% of GDP
Total 1/	88,519.3	86.3	118,400.7	90.8	116,359.0	68.4
of which:						
Arrears between Ukrainian enterprises and institutions	81,550.4	79.5	105,487.9	80.9	103,032.2	60.6
of which:						
Tax arrears	9,014.2	8.8	13,514.1	10.4	14,172.7	8.3
Wage and labor payments	4,845.1	4.7	5,016.7	3.8	3,976.8	2.3

Source: Ukrainian State Statistics Committee.

1/ Total amount of overdue accounts payable excludes small enterprises and budgetary institutions.

Table 21b. Ukraine: Overdue Payables by Enterprises, 2001-2002

	2001				% of GDP	2002				% of GDP
	Mar	Jun	Sep	Dec		Mar	Jun	Sep	Dec	
(In millions of hryvnias of end-month, unless indicated otherwise; at current prices)										
Total 1/	118,302.7	117,399.8	113,122.2	110,495.9	54.1	114,129.3	115,378.4	118,428.5	115,958.4	52.6
Agriculture, hunting, and forestry	7,676.9	7,849.9	7,204.7	6,621.0	3.2	6,166.4	6,234.7	6,164.5	5,725.4	2.6
Fishery	145.9	166.4	161.0	135.3	0.1	144.6	168.0	170.1	137.4	0.1
Industry	88,315.2	88,927.2	86,250.3	84,367.2	41.3	68,922.5	68,887.0	68,858.3	70,854.8	32.1
of which:										
Mining industry	26,977.0	30,051.4	28,843.0	27,801.0	13.6	10,158.2	10,335.4	10,633.8	10,983.9	5.0
Manufacturing industry	21,657.7	16,699.5	15,969.1	15,016.8	7.4	15,135.6	15,325.0	14,603.1	15,598.2	7.1
Production and distribution of electricity, gas and water	39,680.5	42,174.3	41,438.2	41,549.4	20.3	43,628.7	43,226.6	43,621.4	44,302.7	20.1
Construction	3,009.1	2,490.4	2,193.8	2,099.7	1.0	2,042.4	2,996.3	3,579.9	2,078.6	0.9
Wholesale and retail trade; repair services	3,957.6	10,064.6	10,008.0	9,825.5	4.8	10,056.6	9,665.8	9,503.7	9,608.9	4.4
Hotels and restaurants	57.3	57.3	46.6	37.5	0.0	40.9	42.0	41.6	39.5	0.0
Transport	10,791.1	3,555.4	3,061.5	3,222.2	1.6	3,051.4	3,280.1	3,691.6	2,471.0	1.1
Finance	286.9	325.8	324.0	371.6	0.2	405.1	412.6	443.7	403.3	0.2
Real estate operations, renting out and related business services	3,608.9	3,605.7	3,541.7	3,490.7	1.7	22,983.8	24,198.0	26,708.0	24,354.8	11.0
Public administration	32.8	35.4	31.0	31.0	0.0	40.4	33.4	54.0	68.0	0.0
Education	21.7	22.3	21.7	15.3	0.0	17.2	15.3	13.9	15.3	0.0
Health and social protection	22.5	26.3	20.8	27.2	0.0	24.1	24.9	23.5	19.8	0.0
Collective and individual services	286.8	273.1	257.1	251.1	0.1	233.9	220.1	215.7	181.6	0.1
Arrears between Ukrainian enterprises and institutions	105,251.1	104,570.4	100,703.7	97,448.8	47.7	100,116.5	100,679.4	103,663.8	101,661.4	46.1
Agriculture, hunting, and forestry	7,000.5	7,778.3	7,125.8	6,540.2	3.2	6,100.0	6,265.3	6,101.2	5,666.2	2.6
Fishery	69.1	72.2	69.7	67.8	0.0	66.2	88.3	96.6	101.5	0.0
Industry	78,100.2	78,862.7	76,588.8	73,888.3	36.2	66,901.2	67,002.3	67,247.1	69,437.6	31.5
of which:										
Mining industry	18,483.6	21,632.5	20,694.0	19,125.5	9.4	9,808.0	10,096.5	10,387.7	10,813.6	4.9
Manufacturing industry	20,478.8	15,501.5	14,808.1	13,916.2	6.8	13,845.1	14,021.0	13,515.5	14,601.3	6.6
Production and distribution of electricity, gas and water	39,137.8	41,728.7	41,086.7	40,846.6	20.0	42,248.1	42,884.8	43,345.9	44,022.7	20.0
Construction	3,000.8	2,483.7	2,189.5	2,093.9	1.0	2,038.6	2,083.4	2,573.1	2,071.2	0.9
Wholesale and retail trade; repair services	2,569.2	8,740.6	8,700.3	8,594.6	4.2	8,824.7	8,393.5	8,291.8	8,357.4	3.8
Hotels and restaurants	51.3	50.9	42.4	37.2	0.0	39.2	39.6	39.3	37.5	0.0
Transport	10,608.9	3,385.9	2,902.2	3,057.7	1.5	2,911.8	3,149.6	3,493.8	2,319.8	1.1
Finance	286.8	325.6	324.0	371.6	0.2	405.1	412.6	443.6	403.2	0.2
Real estate operations, renting out and related business services	2,634.0	2,546.1	2,461.7	2,498.9	1.2	12,542.4	12,975.5	15,094.7	12,984.0	5.9
Public administration	32.8	35.4	31.0	31.0	0.0	40.4	33.4	54.0	67.9	0.0
Education	15.0	15.3	15.5	13.1	0.0	14.8	15.5	13.9	15.3	0.0
Health and social protection	20.9	24.5	19.1	25.8	0.0	22.9	23.4	22.3	19.0	0.0
Collective and individual services	261.6	249.2	233.7	225.7	0.1	209.2	196.8	192.4	180.8	0.1
Tax Arrears	13,736.7	10,015.3	8,201.7	8,044.9	3.9	9,065.3	9,619.3	11,946.1	12,934.2	5.9
Agriculture, hunting, and forestry	707.1	664.4	683.8	748.1	0.4	754.7	752.8	761.1	790.8	0.4
Fishery	8.0	7.0	4.9	4.7	0.0	3.5	6.5	6.9	3.9	0.0
Industry	11,287.8	8,418.6	6,794.7	6,656.7	3.3	3,998.9	4,350.4	5,085.2	5,157.3	2.3
of which:										
Mining industry	4,763.8	4,780.7	4,039.5	4,090.6	2.0	1,391.8	1,639.1	1,857.9	2,048.2	0.9
Manufacturing industry	4,437.9	1,652.9	1,071.8	905.3	0.4	866.3	868.5	905.9	943.1	0.4
Production and distribution of electricity, gas and water	2,094.1	1,985.0	1,683.4	1,660.8	0.8	1,740.8	1,842.8	2,321.4	2,165.9	1.0
Construction	801.8	442.1	308.1	256.5	0.1	210.9	218.7	223.1	223.8	0.1
Wholesale and retail trade; repair services	176.7	92.4	68.1	58.4	0.0	58.4	53.1	53.0	46.6	0.0
Hotels and restaurants	6.0	4.5	3.9	3.4	0.0	2.7	2.7	2.4	2.2	0.0
Transport	459.1	196.1	169.7	132.4	0.1	137.4	127.5	136.7	156.8	0.1
Finance	2.9	5.2	4.2	2.2	0.0	2.6	2.7	0.7	0.8	0.0
Real estate operations, renting out and related business services	230.6	144.7	126.1	147.9	0.1	3,861.9	4,069.9	5,642.6	6,515.8	3.0
Public administration	3.3	4.2	3.7	4.2	0.0	5.4	5.6	5.3	5.7	0.0
Education	1.9	1.6	1.6	1.7	0.0	2.0	1.8	1.8	2.0	0.0
Health and social protection	1.8	2.6	2.1	1.2	0.0	0.9	0.6	0.6	0.6	0.0
Collective and individual services	49.7	31.9	30.8	27.5	0.0	26.2	27.5	26.7	28.9	0.0
Wages and labor payments	3,845.0	3,615.3	2,745.2	2,334.4	1.1	2,239.1	2,277.2	2,154.9	2,060.3	0.9
Agriculture, hunting, and forestry	1,200.4	1,192.1	670.1	480.7	0.2	472.1	472.1	382.7	345.6	0.2
Fishery	13.1	17.0	17.8	15.8	0.0	14.1	14.0	15.7	16.6	0.0
Industry	1,899.7	1,717.8	1,459.2	1,319.7	0.6	1,256.1	1,289.7	1,265.4	1,234.8	0.6
of which:										
Mining industry	859.7	798.4	611.1	579.3	0.3	552.9	570.7	556.3	574.6	0.3
Manufacturing industry	940.6	828.7	764.6	676.0	0.3	637.3	644.9	635.5	603.8	0.3
Production and distribution of electricity, gas and water	99.4	90.7	83.5	68.4	0.0	65.9	74.1	73.6	56.4	0.0
Construction	320.3	298.2	242.3	211.1	0.1	209.2	206.6	199.8	188.1	0.1
Wholesale and retail trade; repair services	62.6	58.6	53.3	44.7	0.0	42.3	41.8	38.6	37.9	0.0
Hotels and restaurants	9.0	8.2	5.6	4.5	0.0	4.8	4.3	4.0	3.5	0.0
Transport	155.5	143.7	135.3	120.3	0.1	109.8	113.5	108.2	104.0	0.0
Finance	0.9	1.5	1.6	1.4	0.0	1.4	0.9	0.9	0.9	0.0
Real estate operations, renting out and related business services	142.3	139.8	125.2	108.3	0.1	103.5	108.6	115.3	106.8	0.0
Public administration	0.8	0.8	0.9	0.8	0.0	0.9	1.0	1.0	0.9	0.0
Education	3.6	3.9	2.9	2.6	0.0	2.8	3.1	2.9	2.3	0.0
Health and social protection	4.7	4.6	2.8	2.6	0.0	2.8	2.2	1.8	2.0	0.0
Collective and individual services	32.1	30.0	28.2	21.9	0.0	19.3	19.4	18.6	16.9	0.0

Source: Ukrainian State Statistics Committee.

1/ Amounts of overdue accounts payable exclude small enterprises and budgetary institutions.

Table 22. Ukraine: Consolidated Budget, 1997-2002 1/

	1998	1999	2000	2001	2002 2/ Prel.
(In millions of hryvnia)					
Revenue and grants	36,497	41,555	56,774	68,435	80,438
Tax revenue	34,244	38,959	47,810	55,982	68,370
Taxes on income and profits	9,572	11,366	14,517	17,759	21,097
Taxes on payroll	9,934	10,335	12,282	16,085	20,105
<i>of which:</i> Pension Fund	7,217	8,644	10,379	13,115	15,994
Property taxes	7	0	0	0	0
Domestic taxes on goods and services	13,737	15,898	19,064	19,716	24,310
Taxes on international trade	994	1,263	1,947	2,422	2,858
Other taxes	0	97	0	0	0
Nontax, capital revenue, and grants	2,253	2,596	8,964	12,453	12,068
Expenditure	39,034	44,500	58,630	70,312	79,395
General public services	1,782	1,876	4,229	4,420	...
Defense	1,573	1,709	2,504	3,337	...
Public order and safety affairs	1,416	1,527	2,637	3,717	...
Education affairs and services	3,634	3,725	5,843	7,798	...
Health affairs and services	3,041	3,250	4,251	5,403	...
Social security and welfare affairs	16,346	20,200	24,581	30,293	...
<i>of which:</i> Pension Fund	8,619	10,841	12,678	15,547	19,968
Housing and community services	1,549	1,376	1,381	1,746	...
Recreational, cultural, religious affairs	610	721	1,038	1,319	...
Energy, agriculture, and industry	3,973	3,924	4,100	4,839	...
Interest payments 3/	2,395	3,010	3,845	3,931	2,954
Other	2,715	3,182	4,221	3,509	...
Overall cash balance	-2,537	-2,945	-1,856	-1,877	1,043
Statistical Discrepancy 4/	-315	-155	-319	-1,399	118
Financing 4/	2,852	3,100	2,175	3,276	-1,161
Net external	1,387	268	-584	866	-1,550
Net domestic	994	2,011	469	-152	-693
Privatization receipts	471	822	2,290	2,562	1,082
(in percent of GDP)					
Revenue and grants	35.6	31.9	33.4	33.5	36.5
Expenditure	38.0	34.1	34.5	34.4	36.0
Overall cash balance	-2.5	-2.3	-1.1	-0.9	0.5
Primary balance	-0.1	0.0	1.2	1.0	1.8
<i>Memorandum items:</i>					
Net accumulation of VAT refund arrears	...	...	...	1,172	848
Net accumulation of energy and utility arrears	...	...	-2,766	-158	-379
Net social arrears accumulation	285	-1,250	-1,745	-724	257
Other arrears (interest)	...	...	-724	0	0
Commitment balance	-3,137	-1,851	294	-3,566	434
In percent of GDP	-3.1	-1.4	0.2	-1.7	0.2
Annual nominal GDP	102,593	130,442	170,070	204,190	220,556

Sources: Finance Ministry and National Bank of Ukraine.

1/ Uses the authorities' revenue classification.

2/ Uses preliminary fiscal data available as of February 2003. Recent information indicates that the 2002 revenue outturn was higher than shown in this table.

3/ Interest payments are lower than in the Staff Report fiscal table, due to reclassification of various bank fees. In 2000, the restructuring of NBU loans has been accounted for as additional interest payment and domestic financing (Hrv 724 million).

4/ Financing data is derived from the monetary survey, resulting in a statistical discrepancy between the deficit and financing.

Table 23. Ukraine: Consolidated Budgetary Revenues 1998-2002 1/

	1998	1999	2000	2001	2002 2/ Prel.
(In millions of hryvnia)					
Total revenue and grants	36,497	41,555	56,774	68,435	80,438
Current Revenues	36,443	41,120	56,709	67,761	79,528
Tax revenue	34,244	38,959	47,810	55,982	68,370
Taxes on income, profit	9,572	11,366	14,517	17,759	21,097
Natural Persons	3,571	4,475	6,474	8,775	11,103
Legal persons	6,000	6,890	8,043	8,887	9,869
Social security taxes	8,132	9,594	11,531	15,047	18,864
Pension Fund	7,217	8,644	10,379	13,115	15,994
Social Insurance Fund	915	950	1,152	1,348	1,738
Accident Fund	...	...	...	584	1,132
Other payroll taxes	1,802	741	751	1,038	1,241
Chernobyl Fund	1,423	283	137	21	0
Employment Fund	379	457	614	1,017	1,241
Property taxes	7	0	0	0	0
Tax on financial and capital transactions	7	0	0	0	0
Domestic taxes on goods and services	13,737	15,898	19,064	19,716	24,310
General tax on sales, turnover and VAT	9,438	11,369	11,898	11,308	13,762
VAT	7,460	8,409	9,441	10,348	13,471
Innovation Fund	683	1,066	1,671	269	0
Road Fund	1,296	1,790	662	188	156
Other	0	104	124	503	135
Excises	1,289	1,787	2,240	2,654	4,100
On domestic goods	1,090	1,577	1,799	2,207	3,605
On imported goods	199	210	441	447	493
Taxes on use of goods or to perform activities	911	985	1,381	1,558	1,601
Motor vehicle tax	193	296	529	552	587
Water usage fee	136	133	188	304	263
Taxes on natural resources	1,706	1,314	3,060	3,682	4,304
geological fee	153	144	313	246	252
land tax	1,115	1,090	1,376	1,619	1,806
royalties	64	77	176	669	733
Local taxes	392	442	485	514	543
Taxes on international trade and transactions	994	1,263	1,947	2,422	2,858
Import duty	972	1,236	1,555	1,938	2,364
Export duty	0.5	2	6	7	8
Other	21	25	386	477	487
Other taxes	0	97	0	0	0
stamp duty	0	97	0	0	0
Nontax revenue	2,199	2,161	8,899	11,779	11,158
Entrepreneurial and property income	1,093	859	1,280	3,428	2,799
NBU profits	375	248	500	500	235
Gas transit fee	376	137	236	1,943	1,532
Oil transit fee	0	144	240	228	174
Ammoniak transit fee	0	11	43	21	17
Other	342	319	261	736	841
Administrative fees and charges	377	367	5,946	6,507	7,189
Fines and forfeits	546	710	1,371	1,413	986
Fines	128	131	185	156	137
Arms sales and lease of military capital assets	161	234	605	704	297
Invalids Fund	51	54	103	80	123
Environment Pollution Fund	44	59	123	176	189
Other nontax revenue	183	225	301	431	184
Capital revenue	50	434	65	453	618
of which: State Reserve Fund	0	400	0	306	413
Grants	4	1	0	221	292



Table 23 (Cont'd). Ukraine: Consolidated Budgetary Revenues 1998-2002 1/

	1998	1999	2000	2001	2002 2/ Prel.
(In percent of GDP)					
Total revenue and grants	35.6	31.9	33.4	33.5	36.5
Current Revenues	35.5	31.5	33.3	33.2	36.1
Tax revenue	33.4	29.9	28.1	27.4	31.0
Taxes on income, profit	9.3	8.7	8.5	8.7	9.6
Natural Persons	3.5	3.4	3.8	4.3	5.0
Legal persons	5.8	5.3	4.7	4.4	4.5
Social security taxes	7.9	7.4	6.8	7.4	8.6
Pension Fund	7.0	6.6	6.1	6.4	7.3
Social Insurance Fund	0.9	0.7	0.7	0.7	0.8
Accident Fund	...	...	...	0.3	0.5
Other payroll taxes	1.8	0.6	0.4	0.5	0.6
Chernobyl Fund	1.4	0.2	0.1	0.0	0.0
Employment Fund	0.4	0.4	0.4	0.5	0.6
Property taxes	0.0	0.0	0.0	0.0	0.0
Tax on financial and capital transactions	0.0	0.0	0.0	0.0	0.0
Domestic taxes on goods and services	13.4	12.2	11.2	9.7	11.0
General tax on sales, turnover and VAT	9.2	8.7	7.0	5.5	6.2
VAT	7.3	6.4	5.6	5.1	6.1
Innovation Fund	0.7	0.8	1.0	0.1	0.0
Road Fund	1.3	1.4	0.4	0.1	0.1
Other	0.0	0.1	0.1	0.2	0.1
Excises	1.3	1.4	1.3	1.3	1.9
On domestic goods	1.1	1.2	1.1	1.1	1.6
On imported goods	0.2	0.2	0.3	0.2	0.2
Taxes on use of goods, permission to use goods, or	0.9	0.8	0.8	0.8	0.7
Motor vehicle tax	0.2	0.2	0.3	0.3	0.3
Water usage fee	0.1	0.1	0.1	0.1	0.1
Taxes on natural resources	1.7	1.0	1.8	1.8	2.0
geological fee	0.1	0.1	0.2	0.1	0.1
land tax	1.1	0.8	0.8	0.8	0.8
royalties	0.1	0.1	0.1	0.3	0.3
Local taxes	0.4	0.3	0.3	0.3	0.2
Taxes on international trade and transactions	1.0	1.0	1.1	1.2	1.3
Import duty	0.9	0.9	0.9	0.9	1.1
Export duty	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.2	0.2	0.2
Other taxes	0.0	0.1	0.0	0.0	0.0
stamp duty	0.0	0.1	0.0	0.0	0.0
Nontax revenue	2.1	1.7	5.2	5.8	5.1
Entrepreneurial and property income	1.1	0.7	0.8	1.7	1.3
NBU profits	0.4	0.2	0.3	0.2	0.1
Gas transit fee	0.4	0.1	0.1	1.0	0.7
Oil transit fee	0.0	0.1	0.1	0.1	0.1
Ammoniak transit fee	0.0	0.0	0.0	0.0	0.0
Other	0.3	0.2	0.2	0.4	0.4
Administrative fees and charges	0.4	0.3	3.5	3.2	3.3
Fines and forfeits	0.5	0.5	0.8	0.7	0.4
Fines	0.1	0.1	0.1	0.1	0.1
Arms sales and lease of military capital assets	0.2	0.2	0.4	0.3	0.1
Invalids Fund	0.0	0.0	0.1	0.0	0.1
Environment Pollution Fund	0.0	0.0	0.1	0.1	0.1
Other nontax revenue	0.2	0.2	0.2	0.2	0.1
Capital revenue	0.0	0.3	0.0	0.2	0.3
of which: State Reserve Fund	0.0	0.3	0.0	0.1	0.2
Grants	0.0	0.0	0.0	0.1	0.1
Nominal GDP	102,593	130,442	170,070	204,190	220,556

Source: Finance Ministry.

1/ Uses the authorities' revenue classification.

2/ Uses preliminary fiscal data available as of February 2003. Recent information indicates that the 2002 revenue outturn was higher than shown in this table.

Table 24. Ukraine: Consolidated Budget Expenditures 1998-2002

	1998	1999	2000	2001	2002 1/ Prel.
(In millions of hryvnia)					
Total expenditure and net lending	39,034	44,500	58,630	70,312	79,395
General public services	1,782	1,876	4,229	4,420	...
Executive and legislative organs	1,057	1,206	2,868	3,168	...
Fundamental research	320	295	625	665	...
Defense	1,573	1,709	2,504	3,337	...
Public order and safety	1,416	1,527	2,637	3,717	...
Law courts	77	86	169	205	...
Law enforcement	1,339	1,441	2,468	3,512	...
Education	3,634	3,725	5,843	7,798	...
Health	3,041	3,250	4,251	5,403	...
Social security and welfare	16,346	20,200	24,581	30,293	...
Social security affairs and services	5,956	5,938	8,498	11,049	...
Chernobyl Fund	537	446	775	762	...
Social Insurance Fund	1,161	1,176	1,458	1,493	2,031
Employment Fund	323	511	620	910	1,409
Social assistance	1,170	1,631	2,440	1,955	...
Chernobyl benefits	578	708	819	812	...
Pension Fund	8,619	10,841	12,678	15,547	19,968
Accident Fund	...	...	...	514	1,039
Other	601	1,790	965	1,228	...
Housing and community services	1,549	1,376	1,381	1,746	...
Development of housing and community services	793	645	453	573	...
Chernobyl Fund	169	135	133	126	...
Environment Fund	31	52	87	173	...
Other	556	544	708	874	...
Recreational, cultural, religious affairs	610	721	1,038	1,319	...
of which: Mass Media	136	158	205	247	...
Economic services	6,137	6,562	6,439	7,424	...
Fuel and energy	1,520	1,675	1,958	2,374	...
of which: Coal mines	1,000	1,100	898	1,198	...
Agriculture, forestry, fishing, and hunting	1,271	872	851	1,023	...
Mineral resources extraction	1,182	1,377	1,291	1,442	...
of which: investment	735	1,156	921	1,124	...
Transportation and communication	1,738	2,023	1,883	1,778	...
Water transport	6	5	15	11	...
Air transport	6	8	16	9	...
Road transport	1,302	1,742	1,534	1,174	...
Other economic services	426	616	456	808	...
Innovation Fund	160	246	5	0	...
Interest payments 2/	2,395	3,010	3,845	3,931	2,954
Foreign	733	1,759	1,461	2,281	2,240
Domestic	1,662	1,251	2,384	1,650	714
Other expenditures	551	544	1,882	924	...

Table 24 (Cont'd). Ukraine: Consolidated Budget Expenditures 1998-2002

	1998	1999	2000	2001	2002 1/ Prel.
(In percent of GDP)					
Total expenditure and net lending	38.0	34.1	34.5	34.4	36.0
General public services	1.7	1.4	2.5	2.2	...
Executive and legislative organs	1.0	0.9	1.7	1.6	...
Fundamental research	0.3	0.2	0.4	0.3	...
Defense	1.5	1.3	1.5	1.6	...
Public order and safety	1.4	1.2	1.6	1.8	...
Law courts	0.1	0.1	0.1	0.1	...
Law enforcement	1.3	1.1	1.5	1.7	...
Education	3.5	2.9	3.4	3.8	...
Health	3.0	2.5	2.5	2.6	...
Social security and welfare	15.9	15.5	14.5	14.8	...
Social security affairs and services	5.8	4.6	5.0	5.4	...
Chernobyl Fund	0.5	0.3	0.5	0.4	...
Social Insurance Fund	1.1	0.9	0.9	0.7	0.9
Employment Fund	0.3	0.4	0.4	0.4	0.6
Social assistance	1.1	1.3	1.4	1.0	...
Chernobyl benefits	0.6	0.5	0.5	0.4	...
Pension Fund	8.4	8.3	7.5	7.6	9.1
Accident Fund	...	...	...	0.3	0.5
Other	0.6	1.4	0.6	0.6	...
Housing and community services	1.5	1.1	0.8	0.9	...
Development of housing and community services	0.8	0.5	0.3	0.3	...
Chernobyl Fund	0.2	0.1	0.1	0.1	...
Environment Fund	0.0	0.0	0.1	0.1	...
Other	0.5	0.4	0.4	0.4	...
Recreational, cultural, religious affairs	0.6	0.6	0.6	0.6	...
of which: Mass Media	0.1	0.1	0.1	0.1	...
Economic services	6.0	5.0	3.8	3.6	...
Fuel and energy	1.5	1.3	1.2	1.2	...
of which: Coal mines	1.0	0.8	0.5	0.6	...
Agriculture, forestry, fishing, and hunting	1.2	0.7	0.5	0.5	...
Mineral resources extraction	1.2	1.1	0.8	0.7	...
of which: capital investment	0.7	0.9	0.5	0.6	...
Transportation and communication	1.7	1.6	1.1	0.9	...
Water transport	0.0	0.0	0.0	0.0	...
Air transport	0.0	0.0	0.0	0.0	...
Road transport	1.3	1.3	0.9	0.6	...
Other economic services	0.4	0.5	0.3	0.4	...
Innovation Fund	0.2	0.2	0.0	0.0	...
Interest payments 2/	2.3	2.3	2.3	1.9	...
Domestic	0.7	1.3	0.9	1.1	...
Foreign	1.6	1.0	1.4	0.8	...
Other expenditures	0.5	0.4	1.1	0.5	...
Nominal GDP	102,593	130,442	170,070	204,190	220556

Source: Finance Ministry.

1/ Uses preliminary fiscal data available as of February 2003.

2/ Interest payments are lower than in the Staff Report fiscal table, due to reclassification of various bank fees. In 2000, the restructuring of NBU loans has been accounted for as additional interest payment and domestic financing (Hrv 724 million).

Table 25. Ukraine: Central Government Budget, 1998-2002 1/

	1998	1999	2000	2001	2002 2/ Prel.
(In millions of hryvnia)					
Revenue and grants	15,905	19,288	34,155	37,518	44,420
Tax revenue	13,588	16,947	25,446	24,628	31,651
Taxes on income, profit	298	3,364	5,802	6,314	8,265
Taxes on payroll	1,880	835	2,335	20	0
Property taxes	0	0	0	0	0
Domestic taxes on goods and services	10,416	11,395	15,362	15,872	20,528
Taxes on international trade and transactions	994	1,263	1,947	2,422	2,858
Other taxes	0	90	0	0	0
Nontax revenue	1,752	2,082	7,285	10,142	9,535
Grants	4	1	0	221	292
Transfers from local budgets	561	258	1,424	2,527	2,942
Expenditure	18,380	21,947	36,257	40,407	43,205
General public services	1,628	1,654	4,084	4,328	3,986
Defense	1,612	1,767	2,579	3,447	3,530
Public order and safety affairs	1,329	1,428	2,493	3,615	4,519
Education affairs and services	1,134	1,249	2,751	3,652	4,658
Health affairs and services	351	388	758	1,140	1,540
Social security and welfare affairs and services 1/	3,534	5,023	8,827	6,861	6,805
Housing and community services	220	203	273	305	36
Recreational, cultural, religious affairs	223	243	411	411	425
Energy, agriculture, and manufacturing	3,007	2,957	3,159	3,877	3,835
Interest payments	2,395	3,010	3,845	3,924	2,870
Transfers to local budgets	744	1,083	2,699	1,610	2,184
Other	2,203	2,942	4,378	7,237	8,817
Overall cash balance	-2,475	-2,659	-2,102	-2,889	1,215
Financing	2,475	2,659	2,102	2,889	-1,215
Net external	852	-82	-584	467	-1,352
Privatization	361	694	2,075	2,208	603
Net domestic	1,262	2,047	611	214	-466
(In percent of GDP)					
Revenue	15.5	14.8	20.1	18.6	20.1
Expenditure	17.9	16.8	21.3	20.0	19.6
Overall cash balance	-2.4	-2.0	-1.2	-1.4	0.6
Memorandum item:					
Nominal GDP	102,593	130,442	170,070	201,927	220,556

Source: Ministry of Finance.

1/ Uses the authorities' revenue classification.

2/ Uses preliminary fiscal data available as of February 2003. Recent information indicates that the 2002 revenue outturn.

Table 26. Ukraine: Local Government Budget, 1998-2002 1/

	1998	1999	2000	2001	2002 2/ Prel.
(In millions of hryvnia)					
Revenue and grants	15,302	15,967	18,474	24,617	28,151
Tax revenue	12,601	12,512	12,416	15,290	16,614
Taxes on income, profit	9,274	8,002	8,714	11,446	12,833
Taxes on payroll	0	0	0	0	0
Property taxes	7	0	0	0	0
Domestic taxes on goods and services	3,320	4,502	3,702	3,845	3,781
Taxes on international trade and transactions	0	0	0	0	0
Other taxes	0	7	0	0	0
Nontax revenue	498	513	1,680	2,090	2,720
Grants	0	1	0	0	0
Transfers from central budget	2,203	2,942	4,378	7,237	8,817
Expenditure	15,580	16,074	18,418	24,885	27,640
General public services	409	503	752	788	1,645
Defense	17	17	17	2	0
Public order and safety affairs	156	179	261	243	358
Education affairs and services	3,260	3,279	4,107	5,591	7,254
Health affairs and services	3,281	3,450	4,166	5,133	5,929
Social security and welfare affairs and services	3,119	3,542	3,321	5,163	5,376
Housing and community services	1,332	1,178	1,116	1,451	1,323
Recreational, cultural, religious affairs	449	538	706	1,024	987
Energy, agriculture, and manufacturing	1,016	1,020	1,009	1,042	16
Interest payments	0	0	0	6	84
Transfers to State budget	561	258	1,424	2,527	2,943
Other	1,980	2,110	1,539	1,915	1,725
Overall cash balance	-278	-107	56	-268	511
Financing	278	107	-56	268	-511
(In percent of GDP)					
Revenue	14.9	12.2	10.7	12.2	12.8
Expenditure	15.2	12.3	10.7	12.3	12.5
Overall cash balance	-0.3	-0.1	0.0	-0.1	0.2
Memorandum item:					
Nominal GDP	102,593	130,442	172,592	201,927	220,556

Source: Finance Ministry.

1/ Uses the authorities' revenue classification.

2/ Uses preliminary fiscal data available as of February 2003. Recent information indicates that the 2002 revenue outturn.

Table 27. Ukraine: Budgetary Payments Arrears 1998-2002  
(In millions of hryvnia)

	1998	1999	2000		2001				2002			
			old classif.	new classif.	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Total arrears (stock)	4,339	7,979	2,756	3,438	2,976	2,987	2,742	2,573	2,370	2,376	2,461	2,253
Social arrears 1/	4,339	3,089	1,344	1,344	727	762	639	621	579	647	794	840
Wages	1,679	1,045	550	550	116	121	14	0	5	15	3	6
Social insurance	547	780	682	682	610	641	625	620	575	632	791	835
Stipends	99	10	6	6	0	0	0	1	0	0	0	0
Pensions	2,013	1,255	106	106	0	0	0	0	0	0	0	0
Budgetary	838	722	0	0	0	0	0	0	0	0	0	0
Chernobyl Fund	222	182	106	106	0	0	0	0	0	0	0	0
Pension Fund	954	351	0	0	0	0	0	0	0	0	0	0
Energy arrears 2/	...	3,643	1,062	1,229	1,503	1,408	1,137	1,073	1,003	932	841	791
Heating	...	1,884	699	759	803	807	650	674	589	551	481	442
Electricity	...	407	184	180	268	305	222	136	176	137	124	136
Gas	...	1,352	179	177	274	124	80	84	100	58	43	52
Bottled gas	...	...	...	9	15	22	23	22	13	21	24	19
Other	...	...	...	104	143	149	162	157	124	165	169	142
Water supply and sewage 2/	...	737	350	385	390	418	407	383	335	330	328	286
Communication	...	...	...	116	0	0	146	151	184	193	205	113
Rent 2/	...	510	0	...	0	0	0	0	0	0	0	0
Other 2/	...	...	...	364	357	399	413	345	270	274	293	223
Total arrears (flow)	...	3,640	-5,222	...	-462	11	-244	-169	-203	6	85	-207
Social arrears	1,725	-1,250	-1,745	-1,745	-618	36	-123	-19	-41	68	146	47
Wages	402	-634	-495	-495	-434	4	-107	-14	4	10	-12	3
Social insurance	180	233	-98	-98	-73	31	-16	-5	-45	58	159	44
Stipends	-1	-90	-3	-3	-6	0	0	1	-1	0	0	0
Pensions	1,144	-759	-1,149	-1,149	-106	0	0	0	0	0	0	0
Budgetary	267	-117	-722	-722	0	0	0	0	0	0	0	0
Chernobyl Fund	149	-39	-77	-77	-106	0	0	0	0	0	0	0
Pension Fund	728	-603	-351	-351	0	0	0	0	0	0	0	0
Energy arrears 2/	...	3,643	-2,581	-2,414	274	-95	-270	-64	-70	-71	-91	-50
Heating	...	1,884	-1,185	-1,125	44	4	-157	24	-85	-38	-70	-39
Electricity	...	407	-223	-227	88	38	-83	-86	41	-39	-14	13
Gas	...	1,352	-1,173	-1,175	98	-150	-44	4	16	-42	-14	9
Bottled gas	...	...	...	...	7	6	1	-1	-9	7	3	-5
Other	...	...	...	...	38	6	13	-5	-32	41	4	-27
Water supply and sewage	...	737	-387	-351	4	28	-11	-24	-49	-5	-2	-42
Communication	...	...	...	...	-116	0	146	6	33	9	12	-92
Rent	...	510	-510	...	0	0	0	0	0	0	0	0
Other	...	...	...	...	-6	42	14	-68	-76	5	19	-70

Source: Finance Ministry.

1/ Prior to 1998, the data covers overdue payments after 30 days. As of 1998, it covers arrears as soon as payments are due.

2/ Data may be incomplete.

3/ A more comprehensive classification has been used since the end of 2000.

Table 28. Ukraine: Tax Arrears, 1996-2002

	1997	1998	1999	2000	2001				2002			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
(In millions of hryvnia)												
End-period stock	4,958	13,295	13,006	11,349 #	13,157	8,155	6,540	6,702	8,267	10,380	13,754	15,421
State Tax Administration	2,327	9,722	11,734	10,029	11,810	7,596	6,173	6,315	7,857	9,910	13,193	14,704
VAT	798	3,772	5,565	4,456	5,864	3,834	3,519	3,757	4,614	5,429	6,315	6,971
Excises	191	458	537	617	635	339	189	217	202	241	475	544
Enterprise profit tax	333	1,429	2,424	2,658	3,041	2,147	1,279	1,337	1,638	2,381	3,750	4,493
Personal income tax	7	34	30	47	53	66	71	68	67	82	101	110
Land	220	410	332	492	525	282	253	268	323	387	494	526
Other	778	3,619	2,846	1,759	1,692	928	863	667	1,013	1,390	2,058	2,058
Pension Fund	2,630	3,574	1,272	1,320	1,347	559	367	387	410	470	561	717
Period Flow	2,012	8,337	-289	-1,657	1,808	-5,002	-1,615	162	1,565	2,112	3,374	1,667
State Tax Administration	963	7,395	2,012	-1,705	1,781	-4,214	-1,423	142	1,542	2,052	3,283	1,511
VAT	223	2,974	1,793	-1,109	1,408	-2,030	-315	238	857	815	886	657
Excises	156	267	79	80	18	-296	-150	29	-15	39	234	69
Enterprise profit tax	15	1,096	995	234	383	-894	-868	58	301	743	1,369	743
Personal income tax	5	27	-4	17	6	13	5	-3	-1	15	18	10
Land	54	190	-78	160	33	-243	-29	15	55	64	107	33
Other	510	2,841	-773	-1,087	-67	-764	-65	-196	346	376	669	0
Pension Fund	1,049	943	-2,302	48	27	-788	-192	20	23	60	91	156
(In percent of GDP)												
Stock	5.3	13.0	10.0	6.7	6.5	4.0	3.2	3.3	3.7	4.7	6.2	7.0
State Tax Administration	2.5	9.5	9.0	5.9	5.8	3.8	3.1	3.1	3.6	4.5	6.0	6.7
Pension Fund	2.8	3.5	1.0	0.8	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.3
Period Flow 1/	2.2	8.1	-0.2	-1.0	4.6	-10.6	-2.7	0.3	3.6	4.2	5.3	2.7
State Tax Administration	1.0	7.2	1.5	-1.0	4.5	-8.9	-2.4	0.3	3.5	4.1	5.1	2.4
Pension Fund	1.1	0.9	-1.8	0.0	0.1	-1.7	-0.3	0.0	0.1	0.1	0.1	0.2
Memorandum items:												
Nominal period GDP	93,365	102,593	130,442	50,462	39,712	47,332	59,049	55,834	43,699	49,893	64,081	62,883
Nominal annual GDP	93,365	102,593	130,442	170,070	201,927	201,927	201,927	201,927	220,556	220,556	220,556	220,556

Sources: Ministry of Finance; and Fund staff estimates.

1/ In percent of period GDP.

Table 29. Ukraine: Monetary Survey, 1998–2002 1/  
(In millions of hryvnia; end-period)

	1998	1999	2000	2001				2002			
	Dec	Dec	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
Net foreign assets	-5,697	-6,334	-33	823	2,797	5,107	7,210	7,575	8,666	12,612	14,336
Foreign assets	6,112	10,687	14,176	13,516	14,945	19,279	21,101	21,211	23,217	27,069	28,939
Foreign liabilities	11,808	17,021	14,209	12,693	12,148	14,173	13,890	13,636	14,551	14,457	14,604
Net domestic assets	21,415	28,403	32,121	32,206	34,160	34,536	38,345	39,770	42,529	45,118	50,196
Net domestic credit	23,464	32,369	39,966	40,605	43,348	43,872	47,449	49,167	52,312	55,985	61,156
Net credit to government	14,336	19,718	19,348	17,801	17,510	16,520	18,367	18,247	18,327	18,077	18,253
Credit to general government	15,332	20,795	21,618	21,698	21,585	21,305	21,285	21,391	21,293	21,725	22,189
Deposits of general government	995	1,077	2,271	3,897	4,074	4,784	2,918	3,144	2,966	3,648	3,937
Claims on rest of the economy	9,128	12,651	20,619	22,804	25,837	27,351	29,082	30,920	33,985	37,908	42,903
In domestic currency	5,431	6,715	11,938	13,445	15,312	16,105	16,944	18,154	19,927	22,438	25,806
Enterprises	4,913	6,086	11,123	12,598	14,429	15,171	15,978	17,045	18,641	20,905	23,873
Households	518	629	815	846	883	934	966	1,109	1,286	1,533	1,934
In foreign currency	3,697	5,936	8,681	9,359	10,526	11,247	12,138	12,766	14,058	15,470	17,097
Other items, net	-2,049	-3,967	-7,846	-8,399	-9,188	-9,335	-9,104	-9,397	-9,783	-10,867	-10,960
Broad money	15,718	22,069	32,088	33,029	36,956	39,643	45,555	47,345	51,195	57,729	64,532
Hryvnia broad money	12,379	16,532	24,631	25,448	28,776	31,508	36,958	38,345	41,564	46,980	52,089
Currency outside banks	7,158	9,583	12,799	12,736	14,487	16,208	19,465	19,646	21,441	23,655	26,434
Hryvnia demand deposits	3,226	4,566	8,003	8,427	9,337	9,675	10,309	10,641	11,053	12,849	13,810
Hryvnia time deposits	1,995	2,382	3,829	4,285	4,952	5,625	7,185	8,059	9,070	10,476	11,845
Foreign currency deposits	3,340	5,537	7,457	7,581	8,180	8,135	8,597	9,000	9,632	10,749	12,443

Sources: National Bank of Ukraine; and Fund staff estimates.

1/ At actual exchange rates; Fund staff analytical presentation.



Table 30. Ukraine: Summary Indicators of Money and Credit, 1998–2002

	1998	1999	2000	2001					2002				
	Year	Year	Year	Mar	Jun	Sep	Dec	Year	Mar	Jun	Sep	Dec	Year
(Quarterly percentage change, unless otherwise indicated)													
Banking system													
Net foreign assets 1/	-44	-4	29	3	6	6	5	23	1	2	8	3	16
Net domestic credit	47	38	23	2	7	1	8	19	4	6	7	9	29
Of which:													
Claims on rest of the economy	17	39	63	11	13	6	6	41	6	10	12	13	48
Broad money	25	40	45	3	12	7	15	42	4	8	13	12	42
Of which: hryvnia broad money	14	34	49	3	13	9	17	30	4	8	13	11	41
Real broad money 2/	4	18	16	0	9	9	12	34	5	9	14	9	42
Real net domestic credit 2/	23	16	-2	-1	4	3	6	12	5	7	9	6	30
Real credit to the rest of the economy 2/	-3	16	30	8	11	7	4	33	8	11	13	10	48
National Bank of Ukraine													
Net international reserves 3/	-96	-22	52	5	17	14	14	53	2	5	14	7	32
Net domestic assets 4/	117	44	-10	-6	-3	-6	0	-12	7	0	-3	-1	1
Net domestic credit	78	45	3	-6	-1	-7	7	-7	-1	3	-7	0	-5
Base money	22	39	40	0	13	8	13	37	9	5	11	6	34
Currency outside banks	17	34	34	0	14	12	20	52	1	9	10	12	36
Real base money 2/	2	17	11	0	-3	11	9	10	10	5	13	3	34
Velocity 4/	7	7	6	5	5	6	5	5	4	4	5	4	4
Percent change relative to previous period	-15	-5	-9	-22	11	14	-15	-17	-28	8	16	-13	-23
Money multiplier (ratio, end of period)	1.8	1.8	1.9	2.0	1.9	1.9	2.0	2.0	1.9	2.0	2.0	2.1	2.1
Currency-to-deposit ratio (percent)	84	77	66	63	64	69	75	75	71	72	69	69	69
Reserves-to-deposit ratio (percent)	13	16	18	17	17	16	11	11	17	13	12	8	8
Cash in vault relative to total deposits (percent)	4	3	3	3	3	3	3	3	3	3	4	3	3
Foreign currency deposits (share of total deposits, percent)	39	44	39	37	36	35	33	33	32	32	32	33	33
Foreign currency loans (share of total credit, percent)	41	47	42	41	41	41	42	42	41	41	41	40	40
Nongovernment credit (share of GDP, percent)	8	10	12	14	14	12	13	14	18	17	15	17	19
Degree of monetization (M3/GDP, percent)	15	17	19	21	20	17	20	23	27	26	23	26	29
Inflation (CPI-based, relative to end of previous period)	20	19	26	3	3	-2	2	6	-1	-1	-2	3	-1

Sources: Ukrainian authorities; and Fund staff estimates.

1/ Difference from previous period in percent of broad money in the previous period.

2/ Deflated by the consumer price index.

3/ Difference from previous period in percent of base money.

4/ Annualized quarterly GDP divided by the average of broad money in the current and previous quarter.

Table 31. Ukraine: Structure of Credit to Economy, 2001–02 1/

	2001					2002					2002				
	Total	Short-term		Long-term		Total	Short-term		Long-term		Total	Short-term		Long-term	
		In domestic currency	In foreign currency	In domestic currency	In foreign currency		In domestic currency	In foreign currency	In domestic currency	In foreign currency		In domestic currency	In foreign currency	In domestic currency	In foreign currency
	(In millions of hryvnia)					(In millions of hryvnia)					(In percent of 2001)				
Total	27,792	12,717	9,030	2,719	3,306	41,199	18,270	11,268	5,642	6,019	148.2	143.7	124.5	207.5	182.0
Of which:															
Economic entities	26,403	12,238	8,630	2,234	3,301	37,941	17,254	10,655	4,726	5,307	143.7	141.0	123.5	211.6	160.8
Agriculture	1,676	1,141	286	111	139	2,593	1,638	378	338	239	154.7	143.6	132.4	305.6	171.6
Fishing	39	6	12	1	21	49	10	34	1	4	127.2	173.0	292.9	237.3	19.0
Extractive industry	848	441	208	61	139	1,265	734	322	96	113	149.1	166.5	155.2	156.8	81.4
Manufacturing industry	9,021	3,613	3,572	537	1,299	11,856	4,411	4,353	1,202	1,890	131.4	122.1	121.8	224.0	145.5
Electric power, gas and water supply industry	872	746	71	49	6	1,507	1,280	186	27	14	172.9	171.6	263.4	55.3	231.0
Construction	636	320	152	94	70	856	439	144	135	138	134.5	137.2	94.2	144.1	197.6
Wholesale and retail trade, repair service	9,917	4,365	3,638	809	1,106	15,214	6,616	4,575	1,875	2,148	153.4	151.6	125.8	231.8	194.3
Hotels and restaurants	82	51	10	8	13	121	56	19	29	17	148.0	110.3	186.2	380.2	128.7
Transportation	1,219	514	321	150	234	1,590	580	201	419	359	127.9	113.0	62.6	279.7	153.4
Financial activity	475	289	89	74	22	703	494	53	103	53	148.2	171.2	59.0	139.0	237.1
Realty operations	1,105	491	185	265	164	1,511	673	282	356	200	136.7	137.1	152.6	134.3	121.6
Public administration	24	16	3	1	5	64	26	3	29	6	262.6	165.2	—	3956.1	—
Education	27	16	1	7	4	37	17	5	13	1	135.4	107.5	676.0	197.8	26.7
Health care and social protection	87	41	31	4	11	78	23	22	16	18	89.9	55.0	72.2	394.1	161.6
Joint, social and individual services	314	143	39	65	68	500	234	77	85	105	159.1	164.2	197.4	131.1	153.1
Exterritorial activity	60	47	13	1	—	26	22	1	2	2	43.6	46.3	5.5	318.8	—
Individuals	1,389	479	420	485	5	3,257	1,016	613	916	712	234.5	212.1	146.1	188.8	13832.4

Source: National Bank of Ukraine.

1/ Amounts outstanding; end-of-period data.

Table 32. Ukraine: Accounts of the National Bank of Ukraine, 1998–2002 1/  
(In millions of hryvnia; end-period)

	1998	1999	2000	2001				2002			
	Dec	Dec	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
Net foreign assets	-7,130	-9,011	-2,536	-1,510	1,248	3,813	6,546	7,053	8,301	12,120	14,093
Net domestic assets	15,735	20,989	19,316	18,251	17,751	16,621	16,509	18,023	17,926	17,038	16,715
Net domestic credit	15,447	20,671	20,972	19,833	19,881	18,567	18,232	19,979	20,116	19,146	19,143
Net credit to government	13,479	19,121	19,937	18,765	18,612	17,199	18,509	18,483	19,082	17,732	17,448
Credit to general government	13,934	19,713	20,852	20,638	20,769	19,427	19,889	19,497	19,866	18,739	19,633
Deposits of general government	455	592	915	1,873	2,157	2,227	1,380	1,013	784	1,007	2,186
Net credit to the economy	49	83	92	100	87	99	31	49	73	64	-53
Claims on banks 2/	1,919	1,467	943	969	1,182	1,269	-309	1,446	960	1,350	1,748
Other items, net	288	318	-1,655	-1,582	-2,130	-1,946	-1,723	-1,956	-2,190	-2,108	-2,428
Base money	8,604	11,978	16,781	16,742	18,998	20,434	23,055	25,076	26,227	29,158	30,808
Currency outside banks	7,158	9,583	12,799	12,736	14,487	16,208	19,465	19,646	21,441	23,655	26,434
Banks' reserves	1,447	2,395	3,982	4,006	4,511	4,226	3,590	5,430	4,786	5,503	4,374
Cash in vault	302	340	565	508	674	591	759	842	971	1,322	1,270
Correspondent accounts 3/	1,145	2,055	3,417	3,498	3,837	3,635	2,831	4,588	3,816	4,181	3,105

Sources: National Bank of Ukraine; and Fund Staff estimates.

1/ At actual exchange rates; Fund staff analytical presentation; data differ from SM/03/133 since NIR is used instead of net foreign assets to derive NDA.

2/ Includes bank refinancing and other claims on banks net of funds received from repo transactions and certificates of deposit issued by the NBU.

3/ Includes correspondent accounts of commercial banks, NBU staff deposits and clients funds.

Table 33. Ukraine: NBU Instruments, 1998–2002  
(In millions of hryvnia, unless otherwise noted)

	Required Reserves Balances 3/	Correspondent Accounts 4/	Repo Operations	Sales of Restructured Treasury Bills to DMBs 4/ 5/	Certificates of Deposit	Refinance facilities							Refinance Rate (percent)	Foreign Exchange Market Intervention 2/
						Total	Auctions	Lombard Overnight 6/	RRPO	Tender	Stabilization	Other 1/		
1998 Dec.	1702.2	1141.8	0.0	32.3	0.0	504.7	175.1	4.2	7.3		83.0	235.1	60.0	356.6
1999 Dec.	2327.6	2054.9	0.0	140.4	10.0	497.5	36.0		2.0		350.9	108.6	45.0	1745.3
2000 Jan.	2399.8	2528.6	0.0	30.1	91.0	496.4	35.3		2.0		356.0	103.1	35.0	1693.3
Feb.	2385.8	2814.5	0.0	24.3	9.0	474.2	26.9				349.3	98.0	35.0	2137.7
Mar.	2529.5	2788.8	0.0	0.0	188.0	496.3	26.2	28.0			348.0	94.1	32.0	2670.3
Apr.	2456.8	2438.3	0.0	21.1	9.0	463.5	24.8	3.0			346.6	89.1	29.0	2370.1
May	2514.0	2731.8	0.0	97.5	5.0	460.5	23.8	3.0			345.9	87.8	29.0	3198.3
June	2619.3	2791.1	0.0	130.4	5.0	474.4	20.5	18.0			345.8	90.1	29.0	3291.8
July	2699.8	2899.1	0.0	53.0	5.0	469.9	20.5	19.0			344.4	86.0	29.0	4335.0
Aug.	2826.9	3029.2	0.0	127.2	0.0	469.5	20.5	19.0			344.0	86.0	27.0	5332.9
Sep.	2848.4	2898.8	0.0	75.7	0.0	466.1	20.3	17.0			342.9	85.9	27.0	4865.6
Oct.	2934.0	3414.4	0.0	0.0	0.0	446.5	20.3	4.0			340.3	81.9	27.0	5589.1
Nov.	3031.0	4060.5	0.0	0.0	0.0	445.4	20.3	4.0			339.2	81.9	27.0	6191.2
Dec.	3183.7	3400.8	552.0	0.0	2.0	433.3	19.8				337.0	76.5	27.0	7298.3
2001 Jan.	2963.7	3559.4	506.0	0.0	442.0	432.0	19.7				335.9	76.4	27.0	7933.0
Feb.	3042.9	3660.4	350.0	0.9	306.0	430.8	19.6				334.7	76.5	27.0	8276.0
Mar.	3227.5	3485.0	350.0	184.0	100.0	427.1	19.3				333.4	74.4	25.0	8635.8
Apr.	3250.3	3703.6	0.0	182.7	0.0	423.8	18.7	2.2			331.2	71.7	21.0	9334.0
May	3356.7	3438.5	0.0	153.1	431.0	422.5	19.1	2.2			330.0	71.2	21.0	10124.6
June	3441.4	3814.0	0.0	169.3	267.0	469.8	18.9	50.9		2.2	328.9	68.9	19.0	11101.7
July	3419.6	3589.8	0.0	681.8	152.0	413.4	18.8			2.2	326.7	67.9	19.0	11962.0
Aug.	3544.2	4257.0	0.0	1056.0	4.0	532.9	18.8			22.8	325.6	165.7	17.0	13049.2
Sep.	3673.5	3562.0	0.0	1196.1	204.0	541.1	18.7	35.0	99.5		324.4	63.5	15.0	13252.7
Oct.	3743.3	4230.9	0.0	862.6	0.0	522.4	18.7	2.8		117.3	323.4	60.2	15.0	14919.7
Nov.	3818.2	4008.2	0.0	750.6	0.0	559.9	18.7			157.5	323.4	60.3	15.0	15823.8
Dec.	3626.1	2801.0	0.0	2337.1	1850.0	561.5	18.7			166.4	323.4	53.0	12.5	16431.7
2002 Jan.	3461.1	4360.6	0.0	1050.0	0.0	566.5	19.1			176.5	322.4	48.5	12.5	16100.6
Feb.	3510.4	4252.8	0.0	249.5	0.0	566.3	18.5			177.1	322.4	48.3	12.5	15913.6
Mar.	3399.9	4354.4	0.0	0.0	0.0	521.8	18.5		9.6	130.2	322.4	41.1	11.5	16863.8
Apr.	3262.3	3841.0	0.0	526.7	0.0	507.3	18.5		9.6	115.7	322.4	41.1	10.0	17045.3
May	3192.5	4444.1	0.0	0.0	0.0	513.0	18.5		9.6	121.4	322.4	41.1	10.0	17292.9
June	3307.4	3785.3	100.0	0.0	350.0	495.1	18.5			119.4	322.4	34.8	10.0	17968.8
July	2911.8	4543.2	0.0	204.9	0.0	696.6	18.5			320.9	323.4	33.8	8.0	20193.2
Aug.	2854.7	4072.4	0.0	478.9	0.0	569.3	18.3			193.8	323.4	33.8	8.0	21611.6
Sep.	2973.2	4097.3	0.0	251.1	0.0	500.3	18.3			132.2	323.4	26.4	8.0	21532.2
Oct.	3062.2	3959.1	160.0	100.3	0.0	561.6	18.2			219.6	323.4	0.4	8.0	21981.4
Nov.	3117.2	4077.5	260.0	471.7	0.0	613.4	18.2			165.5	323.4	106.3	8.0	22021.1
Dec.	3214.8	3062.8	0.0	778.4	0.0	909.8	18.0			446.4	323.4	122.0	7.0	21868.6

Source: National Bank of Ukraine.

- 1/ Other lending to banks, including long term loans (over one year maturity) other than stabilization lending to banks undergoing rehabilitation.  
2/ Balances of funds emitted for currency purchasing, end-period, cumulative from 1993; includes foreign currency purchases by the Treasury, including for debt payments.  
3/ Monthly average data; In December 2002, the NBU allowed banks to use up to 50 percent of cash in vault in meeting their reserve requirement.  
4/ End of month data; based on monthly balance sheet.  
5/ T-bills restructured in 2000; outstanding stock.  
6/ From 09.04.2001 - overnight credit.

Table 34. Ukraine: Accounts of Commercial Banks, 1998-2002 1/  
(In millions of hryvnia; end-period)

	1998	1999	2000				2001				2002			
	Dec	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
Net foreign assets	1,434	2,677	2,917	3,375	3,397	2,503	2,333	1,549	1,294	664	521	365	491	242
Foreign assets	3,112	4,423	4,939	5,526	5,704	4,986	4,459	4,190	4,208	4,104	3,870	4,300	4,604	4,540
Foreign liabilities	1,679	1,746	2,022	2,150	2,307	2,484	2,127	2,640	2,915	3,440	3,349	3,935	4,113	4,298
Net domestic assets	9,046	11,275	12,232	13,479	14,706	17,729	18,929	22,102	23,410	25,117	28,624	30,349	34,933	39,604
Domestic credit	9,883	13,133	14,700	16,202	17,561	19,880	21,692	24,592	26,531	28,798	30,592	33,134	38,157	43,606
Net credit to government	858	597	-16	-25	-441	-590	-964	-1,101	-679	-142	-236	-755	345	805
Credit to general government	1,398	1,082	1,089	1,061	966	766	1,060	816	1,878	1,396	1,895	1,427	2,985	2,556
Deposits of general government	540	485	1,105	1,085	1,407	1,356	2,024	1,917	2,557	1,538	2,131	2,182	2,641	1,751
Credit to the economy	9,025	12,535	14,716	16,227	18,002	20,469	22,656	25,693	27,210	28,940	30,828	33,889	37,812	42,800
In domestic currency	5,402	6,420	8,405	9,663	10,928	11,964	13,458	15,342	16,132	16,924	18,224	20,043	22,576	25,995
Enterprises	4,913	5,791	7,537	8,717	9,999	11,057	12,530	14,364	15,108	15,857	16,968	18,565	20,822	23,771
Households	489	629	868	946	929	907	928	978	1,023	1,067	1,256	1,478	1,754	2,224
In foreign currency	3,624	6,115	6,311	6,564	7,073	8,505	9,198	10,350	11,078	12,016	12,604	13,847	15,236	16,805
Banks' reserves	1,447	2,395	3,122	3,241	3,347	3,982	4,006	4,511	4,226	3,590	5,430	4,786	5,503	4,374
Other items, net	-2,284	-4,252	-5,590	-5,964	-6,202	-6,133	-6,769	-7,000	-7,347	-7,271	-7,397	-7,571	-8,727	-8,376
Liabilities	10,479	13,952	15,149	16,854	18,103	20,231	21,262	23,652	24,704	25,782	29,145	30,715	35,424	39,847
Credit to banks from NBU	1,919	1,467	391	548	669	943	969	1,182	1,269	-309	1,446	960	1,350	1,748
Hryvnia deposits	5,221	6,949	8,605	9,689	10,267	11,832	12,712	14,289	15,300	17,493	18,700	20,123	23,325	25,655
Demand deposits	3,226	4,566	5,233	6,338	6,508	8,003	8,427	9,337	9,675	10,309	10,641	11,053	12,849	13,810
Time deposits	1,995	2,382	3,371	3,350	3,759	3,829	4,285	4,952	5,625	7,185	8,059	9,070	10,476	11,845
Foreign currency deposits	3,340	5,537	6,153	6,617	7,168	7,457	7,581	8,180	8,135	8,597	9,000	9,632	10,749	12,443

Source: National Bank of Ukraine.

1/ Data are based on actual exchange rates; Fund staff analytical presentation.

Table 35. Ukraine: Interest Rates, 1998-2002 1/

	Statutory Refinance Rate 2/	Money Market Rate 3/	Average Lending Rate 4/	Average Lending Rate 7/ (without overdraft)	Average Deposit Rate 5/	Average Deposit Rate 8/ (short term)	Effective Yield on Treasury Bills 6/		
							3-month	12-month	Over 1 year
1998									
December	50	19	60	60	24	42	...	37	...
1999									
January	60	21	55	61	23	38	33	33	...
February	60	40	58	61	21	38	...	30	...
March	60	74	68	70	27	44	...	30	...
April	50	50	67	70	23	38	...	...	...
May	45	17	55	57	19	34	...	30	...
June	45	11	47	49	21	40	...	30	...
July	45	14	45	48	16	27	...	...	...
August	45	63	51	52	20	32	...	...	...
September	45	60	54	58	17	31	...	25	...
October	45	75	51	53	20	35	...	24	...
November	45	59	55	56	22	35	...	...	...
December	45	56	50	50	21	32	...	...	...
2000									
January	45	42	56	57	21	32	...	...	...
February	35	16	49	49	17	26	...	...	...
March	32	12	42	42	14	21	...	...	...
April	29	11	42	42	12	19	19	...	...
May	29	7	40	40	12	18	...	...	...
June	29	11	40	40	12	18	19	...	...
July	29	18	39	39	11	15	...	...	...
August	27	13	36	36	10	14	22	...	...
September	27	33	40	40	18	24	...	...	...
October	27	36	39	39	18	22	23	...	...
November	27	13	38	39	11	14	23	...	...
December	27	9	37	37	9	12	25	...	...
2001									
January	27	4	37	37	12	15	...	...	...
February	27	7	36	35	9	13	...	...	...
March	25	6	34	34	8	11	...	...	...
April	21	20	33	33	11	15	...	19	...
May	21	9	32	32	9	11	16	...	...
June	19	35	32	33	13	17	...	...	...
July	19	21	31	32	11	13	16	...	...
August	17	28	32	32	14	18	16	...	...
September	15	18	31	31	10	12	15	...	...
October	15	22	31	31	13	15	15	...	...
November	15	12	30	29	10	12	15	...	...
December	13	17	30	28	11	14	14	...	...
2002									
January	13	10	30	30	10	11	14	...	...
February	13	10	29	30	9	10	14	...	...
March	12	7	28	28	9	10	...	...	...
April	10	6	27	27	8	9	...	...	...
May	10	5	26	27	8	8	...	...	...
June	10	5	25	25	8	9	...	14	...
July	8	5	25	25	8	9	...	9	14
August	8	4	24	24	8	9	...	12	13
September	8	3	23	24	8	8	...	...	...
October	8	2	23	23	7	7	...	7	11
November	8	4	22	23	6	6	...	5	7
December	7	6	22	22	7	8	...	...	9

Source: National Bank of Ukraine.

1/ All rates reported on simple annual basis. Lending and deposit rates in national currency.

2/ Basic rate at which the NBU lends to commercial banks (end of period data).

3/ Weighted average rate on daily loans between financial institutions in national currency.

4/ Weighted average rate charged by all commercial banks on loans in national currency.

5/ Weighted average rate offered by commercial banks on deposits in national currency (excluding interbank credits).

6/ Last auction in month.

7/ Weighted average rate charged by all commercial banks on new loans in national currency.

8/ Weighted average rate offered by commercial banks on deposits with maturity under 1 year in national currency (excluding interbank credits).

Table 36. Ukraine: Exchange Rates, 1998-2003 (March)  
(NBU official rates)

	Hryvnia per U.S. dollar		Hryvnia per Russian ruble	
	Average	End of Period	Average	End of Period
1998				
January	1.91	1.93	0.32	0.32
February	1.96	2.02	0.32	0.33
March	2.03	2.04	0.33	0.33
April	2.04	2.04	0.33	0.33
May	2.05	2.06	0.33	0.33
June	2.06	2.06	0.33	0.33
July	2.10	2.13	0.34	0.34
August	2.18	2.25	0.33	0.29
September	2.79	3.40	0.20	0.20
October	3.42	3.43	0.20	0.20
November	3.43	3.43	0.20	0.20
December	3.43	3.43	0.20	0.17
1999				
January	3.43	3.43	0.16	0.15
February	3.47	3.60	0.15	0.16
March	3.77	3.94	0.16	0.16
April	3.93	3.92	0.16	0.16
May	3.92	3.93	0.16	0.16
June	3.95	3.95	0.16	0.16
July	4.00	4.27	0.16	0.18
August	4.46	4.38	0.18	0.18
September	4.46	4.47	0.17	0.18
October	4.47	4.51	0.17	0.17
November	4.63	4.71	0.18	0.18
December	5.07	5.22	0.19	0.19
2000				
January	5.38	5.48	0.19	0.19
February	5.34	5.50	0.19	0.19
March	5.47	5.43	0.19	0.19
April	5.42	5.40	0.19	0.19
May	5.40	5.41	0.19	0.19
June	5.44	5.44	0.19	0.19
July	5.44	5.44	0.20	0.20
August	5.44	5.44	0.20	0.20
September	5.44	5.44	0.20	0.20
October	5.44	5.44	0.20	0.20
November	5.44	5.44	0.20	0.20
December	5.44	5.43	0.19	0.19
2001				
January	5.43	5.43	0.19	0.19
February	5.43	5.43	0.19	0.19
March	5.42	5.42	0.19	0.19
April	5.42	5.42	0.19	0.19
May	5.41	5.42	0.19	0.19
June	5.40	5.38	0.19	0.19
July	5.37	5.35	0.18	0.18
August	5.35	5.34	0.18	0.18
September	5.34	5.33	0.18	0.18
October	5.31	5.29	0.18	0.18
November	5.29	5.28	0.18	0.18
December	5.29	5.30	0.18	0.18
2002				
January	5.31	5.32	0.17	0.17
February	5.32	5.32	0.17	0.17
March	5.32	5.32	0.17	0.17
April	5.33	5.33	0.17	0.17
May	5.33	5.33	0.17	0.17
June	5.33	5.33	0.17	0.17
July	5.33	5.33	0.17	0.17
August	5.33	5.33	0.17	0.17
September	5.33	5.33	0.17	0.17
October	5.33	5.33	0.17	0.17
November	5.33	5.33	0.17	0.17
December	5.33	5.33	0.17	0.17
2003				
January	5.33	5.33	0.17	0.17
February	5.33	5.33	0.17	0.17
March	5.33	5.33	0.17	0.17

Source: National Bank of Ukraine.

Table 37. Ukraine: Balance of Payments, 1997-2002  
(In million of U.S. dollars; unless otherwise indicated)

	1997	1998	1999	2000	2001	2002 Prel.
Current account	-1,335	-1,296	1,658	1,481	1,402	3,173
Trade balance	-4,205	-2,584	244	779	198	710
Exports 1/	15,418	13,699	13,189	15,722	17,091	18,669
Imports 2/	-19,623	-16,283	-12,945	-14,943	-16,893	-17,959
Of which: Energy 3/	-7,554	-5,751	-5,163	-5,947	-6,182	-6,539
Services	2,669	1,377	1,577	796	415	1,147
Receipts	4,937	3,922	3,869	3,800	3,995	4,682
Payments	-2,268	-2,545	-2,292	-3,004	-3,580	-3,535
Income (net)	-644	-871	-869	-942	-667	-606
Of which: Interest on public debt	-628	-1,020	-947	-749	-529	-475
Current transfers (net)	845	782	706	848	1,456	1,922
Financial and capital account (net)	2,218	507	-499	-690	100	-1,137
Capital transfers	0	-3	-10	-8	3	15
Direct investments	581	747	489	594	769	698
Portfolio equity	234	224	124	-195	-735	-1,957
Bonds and medium- and long-term loans	2,109	-322	-149	-87	-120	375
Currency and deposits	-719	-125	-117	0	175	-167
Other capital 1/	13	-14	-836	-994	8	-101
Net errors and omissions	-785	-810	-954	-150	-231	-885
Overall balance	98	-1,599	205	641	1,271	1,151
Gross International Reserves (- increase)	-383	1,324	-283	-398	-1,606	-1,045
IMF (net)	285	275	78	-604	-79	-191
Official arrears to bilateral creditors (+ increase)				361	-361	0
Rescheduling 4/					775	85
Memorandum items:						
Current account in percent of GDP	-2.7	-3.1	5.2	4.7	3.7	7.7
Excluding transfers	-4.3	-5.0	3.0	2.0	-0.1	3.0
Gross International Reserves (end of period) 5/	2,374	795	1,094	1,505	3,089	4,417
In months of imports 6/	1.5	0.6	0.7	0.9	1.7	2.5

Source: National Bank of Ukraine.

1/ Including swap of goods to settle outstanding arrears to Russia. In 1999, \$726 million in the context of the Black Sea fleet agreement and in 2000 \$274 million to settle Naftogas arrears to Gazprom.

2/ Before 1999 the imports of natural gas are reported at a decreed price rather than an actual transaction price.

3/ Natural gas, crude oil, oil products, and coal.

4/ Rescheduling by the Paris Club and other bilateral creditors on comparable terms.

5/ Gross international reserves excludes unusable reserves. Gross reserves at end-1998 were reported as \$949 million before this exclusion.

6/ In months of next year's imports of goods and services. In 2002, in months of current year's imports of goods and services.



Table 38. Ukraine: Directions of Merchandise Exports, 1997-2002

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars)						
Total 1/	14,265	12,758	11,704	14,708	16,411	18,113
CIS	5,586	4,202	3,252	4,497	4,675	4,377
Russia 2/	3,723	2,906	2,396	3,516	3,680	3,189
Belarus	826	548	346	272	244	261
Other	1,037	748	510	709	751	927
EU member and accession countries 3/	4,154	4,552	4,316	5,429	6,517	7,612
Germany	569	639	560	741	711	755
Turkey	671	696	673	869	1,009	1,236
Other	2,914	3,217	3,083	3,819	4,797	5,621
Rest of the world	4,525	4,004	4,136	4,782	5,219	6,124
USA	301	502	436	725	569	519
China	1,101	737	730	629	542	700
Other	3,123	2,765	2,970	3,428	4,108	4,905
(Shares in percent of total)						
CIS	39	33	28	31	28	24
Russia 2/	26	23	20	24	22	18
Belarus	6	4	3	2	1	1
Other	7	6	4	5	5	5
EU member and accession countries 3/	29	36	37	37	40	42
Germany	4	5	5	5	4	4
Turkey	5	5	6	6	6	7
Other	20	25	26	26	29	31
Rest of the world	32	31	35	33	32	34
USA	2	4	4	5	3	3
China	8	6	6	4	3	4
Other	22	22	25	23	25	27
(Percent change from previous year)						
Total 1/	0	-11	-8	26	12	10
CIS	-25	-25	-23	38	4	-6
Russia 2/	-33	-22	-18	47	5	-13
Belarus	14	-34	-37	-21	-10	7
Other	-6	-28	-32	39	6	23
EU member and accession countries 3/	12	10	-5	26	20	17
Germany	35	12	-12	32	-4	6
Turkey	64	4	-3	29	16	22
Other	1	10	-4	24	26	17
Rest of the world	42	-12	3	16	9	17
USA	-20	67	-13	66	-22	-9
China	43	-33	-1	-14	-14	29
Other	53	-11	7	15	20	19

Sources: State Statistics Committee of Ukraine and National Bank of Ukraine.

1/ Excluding informal trade.

2/ In 1999 and 2000, excluding special exports to Russia (\$726 million and \$274 million respectively) to settle natural gas import arrears.

3/ EU accession countries include ten countries in the formal accession process slated for membership in 2004—Cyprus, The Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, The Slovak Republic, Slovenia—as well as Bulgaria, Romania, and Turkey.

Table 39. Ukraine: Commodity Structure of Exports, 1997-2002

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars)						
Total 1/	14,265	12,758	11,704	14,708	16,411	18,113
Fuel and energy products	1,142	1,023	1,057	1,273	1,614	2,087
Machinery	1,970	1,786	1,388	1,859	2,340	2,630
Wood and wood products	209	238	313	419	517	568
Industrial products	643	672	593	725	840	878
Chemicals	2,015	1,735	1,384	1,914	1,871	1,818
Food items and raw materials	1,802	1,379	1,418	1,378	1,824	2,389
Ferrous and nonferrous metals	5,904	5,336	4,874	6,468	6,720	7,126
Other	580	589	677	672	685	617
(Shares in percent of total)						
Fuel and energy products	8	8	9	9	10	12
Machinery	14	14	12	13	14	15
Wood and wood products	1	2	3	3	3	3
Industrial products	5	5	5	5	5	5
Chemicals	14	14	12	13	11	10
Food items and raw materials	13	11	12	9	11	13
Ferrous and nonferrous metals	41	42	42	44	41	39
Other	4	5	6	5	4	3
(Percent change from previous year)						
Total	0	-11	-8	26	12	10
Fuel and energy products	-7	-10	3	20	27	29
Machinery	-4	-9	-22	34	26	12
Wood and wood products	9	14	32	34	23	10
Industrial products	5	5	-12	22	16	5
Chemicals	-8	-14	-20	38	-2	-3
Food items and raw materials	-41	-23	3	-3	32	31
Ferrous and nonferrous metals	27	-10	-9	33	4	6
Other	85	2	15	-1	2	-10
(In percent of GDP)						
Total	28	30	37	47	43	44

Sources: State Statistics Committee of Ukraine and National Bank of Ukraine.

1/ Excluding informal trade and special exports to Russia (\$726 million in 1999 and \$274 million in 2000) to settle natural gas import arrears.

Table 40. Ukraine: Origin of Merchandise Imports, 1997-2002

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars)						
Total 1/	17,383	14,603	11,775	13,887	15,707	16,909
CIS	9,880	7,897	6,742	8,039	8,832	8,968
Russia	7,838	7,064	5,592	5,825	5,814	6,317
Belarus	391	333	343	602	407	263
Other	1,651	480	807	1,612	2,611	2,388
EU member and accession countries 2/	5,409	4,965	3,593	4,198	4,887	5,701
Germany	1,309	1,264	943	1,134	1,380	1,658
Turkey	162	136	143	160	138	196
Other	3,938	3,565	2,507	2,904	3,369	3,847
Rest of the world	2,094	1,741	1,440	1,650	1,988	2,240
USA	651	590	402	360	458	473
China	126	123	110	132	196	259
Other	1,317	1,028	928	1,158	1,334	1,508
(Shares in percent of total)						
CIS	57	54	57	58	56	53
Russia	45	48	47	42	37	37
Belarus	2	2	3	4	3	2
Other	9	3	7	12	17	14
EU member and accession countries 2/	31	34	31	30	31	34
Germany	8	9	8	8	9	10
Turkey	1	1	1	1	1	1
Other	23	24	21	21	21	23
Rest of the world	12	12	12	12	13	13
USA	4	4	3	3	3	3
China	1	1	1	1	1	2
Other	8	7	8	8	8	9
(Percent change from previous year)						
Total	-5	-16	-19	18	13	8
CIS	-12	-20	-15	19	10	2
Russia	-11	-10	-21	4	0	9
Belarus	2	-10	-3	76	-32	-35
Other	-16	-71	68	100	62	-9
EU member and accession countries 2/	18	-8	-28	17	16	17
Germany	22	-3	-25	20	22	20
Turkey	49	-16	5	12	-14	42
Other	15	-9	-30	16	16	14
Rest of the world	-14	-17	-17	15	20	13
USA	14	-9	-32	-10	27	3
China	40	-2	-11	20	48	32
Other	-25	-22	-10	25	15	13

Sources: State Statistics Committee of Ukraine and National Bank of Ukraine.

1/ Excluding informal trade.

2/ EU accession countries include ten countries in the formal accession process slated for membership in 2004—Cyprus, The Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, The Slovak Republic, Slovenia—as well as Bulgaria, Romania, and Turkey.

Table 41. Ukraine: Commodity Structure of Imports, 1997-2002

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars)						
Total 1/	17,383	14,603	11,775	13,887	15,707	16,909
Fuel and energy products	8,280	6,170	5,441	6,419	6,590	6,940
Machinery	3,687	3,409	2,255	2,625	3,379	3,785
Wood and wood products	500	473	397	436	611	767
Industrial products	745	743	635	741	875	929
Chemicals	2,151	1,821	1,459	1,647	1,959	2,218
Food items and raw materials	898	1,052	902	908	1,126	1,114
Ferrous and nonferrous metals	665	629	409	681	821	811
Other	457	306	277	430	346	345
(Shares in percent of total)						
Fuel and energy products	48	42	46	46	42	41
Machinery	21	23	19	19	22	22
Wood and wood products	3	3	3	3	4	5
Industrial products	4	5	5	5	6	5
Chemicals	12	12	12	12	12	13
Food items and raw materials	5	7	8	7	7	7
Ferrous and nonferrous metals	4	4	3	5	5	5
Other	3	2	2	3	2	2
(Percent change from previous year)						
Total 1/	-5	-16	-19	18	13	8
Fuel and energy products	0	-25	-12	18	3	5
Machinery	23	-8	-34	16	29	12
Wood and wood products	-5	-5	-16	10	40	26
Industrial products	1	0	-15	17	18	6
Chemicals	10	-15	-20	13	19	13
Food items and raw materials	-38	17	-14	1	24	-1
Ferrous and nonferrous metals	-13	-5	-35	67	21	-1
Other	-70	-33	-9	55	-20	0
(In percent of GDP)						
Total	35	35	37	44	41	41

Sources: State Statistics Committee of Ukraine and National Bank of Ukraine.

1/ Excluding informal trade.

Table 42. Ukraine: Imports of Selected Energy Products, 1997-2002

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars)						
Total	7,554.0	5,751.1	5,162.8	5,947.1	6,182.4	6,538.6
Natural gas	4,988.4	3,523.8	3,255.7	3,323.9	3,287.8	3,521.1
Volume (in billions of m3)	62.4	53.5	59.9	59.2	56.9	56.2
Unit price (in dollars per 1000 m3)	79.9	65.9	54.4	56.1	57.8	62.7
Crude oil	1,011.9	1,054.6	884.4	1,090.6	2,105.3	2,430.8
Volume (in millions of tons)	9.0	9.9	9.4	6.0	13.3	18.9
Unit price (in dollars per ton)	112.4	106.5	94.1	181.8	158.3	128.6
Oil products	1,200.7	801.7	815.6	1,270.3	501.3	379.5
Volume (in millions of tons)	6.2	4.7	3.9	4.6	2.1	1.6
Unit price (in dollars per ton)	193.7	170.6	209.1	276.2	238.7	237.2
Coal	353.0	371.0	207.1	262.3	288.0	207.2
Volume (in millions of tons)	8.4	8.4	5.0	6.6	6.6	5.6
Unit price (in dollars per ton)	42.0	44.2	41.4	39.7	43.6	37.0
(Percent change from previous year)						
Total	-6.4	-23.9	-10.2	15.2	4.0	5.8
Natural gas	-12.6	-29.4	-7.6	2.1	-1.1	7.1
Volume (in billions of m3)	-12.4	-14.3	12.0	-1.2	-3.9	-1.2
Unit price (in dollars per 1000 m3)	-0.3	-17.6	-17.5	3.3	2.9	8.4
Crude oil	8.3	4.2	-16.1	23.3	93.0	15.5
Volume (in millions of tons)	-3.2	10.0	-5.1	-36.2	121.7	42.1
Unit price (in dollars per ton)	11.9	-5.3	-11.7	93.2	-12.9	-18.7
Oil products	24.7	-33.2	1.7	55.8	-60.5	-24.3
Volume (in millions of tons)	31.9	-24.2	-17.0	17.9	-54.3	-23.8
Unit price (in dollars per ton)	-5.5	-11.9	22.6	32.0	-13.6	-0.6
Coal	-24.6	5.1	-44.2	26.7	9.8	-28.1
Volume (in millions of tons)	-23.6	0.0	-40.5	32.0	0.0	-15.2
Unit price (in dollars per ton)	-1.3	5.1	-6.2	-4.1	9.8	-15.2
(In percent of GDP)						
Total	15.1	13.7	16.3	19.0	16.3	15.8

Sources: State Statistics Committee of Ukraine and National Bank of Ukraine.

Table 43. Ukraine: Services, 1997-2002

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars)						
Services (net)	2,669	1,377	1,577	796	415	1,147
Transport	3,553	2,735	2,715	2,530	2,552	2,897
Travel	-35	-25	-37	-76	7	131
Construction	-142	-155	-209	-133	-436	-187
Communication	-1	-29	-18	-10	-8	-11
Other	-706	-1,149	-874	-1,515	-1,700	-1,683
Total receipts	4,937	3,922	3,869	3,800	3,995	4,682
Transport	4,029	3,222	3,073	2,920	2,961	3,384
Travel	270	315	327	394	573	788
Construction	50	41	34	38	27	29
Communication	114	102	99	89	93	89
Other	474	242	336	359	341	392
Total payments	2,268	2,545	2,292	3,004	3,580	3,535
Transport	476	487	358	390	409	487
Travel	305	340	364	470	566	657
Construction	192	196	243	171	463	216
Communication	115	131	117	99	101	100
Other	1,180	1,391	1,210	1,874	2,041	2,075
(Percent change from previous year)						
Total receipts	3	-21	-1	-2	5	17
Total payments	40	12	-10	31	19	-1
(In percent of GDP)						
Services (net)	5	3	5	3	1	2.770
Total receipts	10	9	12	12	11	11.307
Total payments	5	6	7	10	9	8.537

Source: National Bank of Ukraine.

Table 44. Ukraine: Official External Debt, 1997–2002 1/

	1997	1998	1999	2000	2001	2002 Prel.
(In millions of U.S. dollars, end-of-period)						
Total debt	9,634	11,093	12,482	10,349	10,118	10,191
Multilateral debt	4,091	4,861	5,315	4,614	4,723	4,596
World Bank	1,214	1,599	2,019	2,100	2,398	2,312
IMF	2,454	2,775	2,801	2,073	1,909	1,865
European Union	315	334	345	319	287	300
EBRD	108	152	150	121	129	119
Bilateral debt	3,656	3,076	4,312	3,172	3,086	3,035
Russia	1,896	1,480	3,074	1,974	1,877	1,779
Germany	491	494	348	352	401	412
Turkmenistan	599	458	317	282	282	282
USA	443	356	290	290	290	273
Japan	165	175	186	166	145	159
Other	62	114	98	109	91	131
Commercial debt	1,888	3,157	2,855	2,563	2,309	2,560
Of which: 2007 Eurobonds				2,183	2,030	2,349
(Shares in percent of total)						
Multilateral debt	42	44	43	45	47	45
Bilateral debt	38	28	35	31	30	30
Commercial debt	20	28	23	25	23	25
(In percent of GDP)						
Total	19	26	40	33	27	25

Source: Ministry of Finance.

1/ Central government's and NBU's medium- and long-term external direct and guaranteed debt at end-of-period official exchange rates.