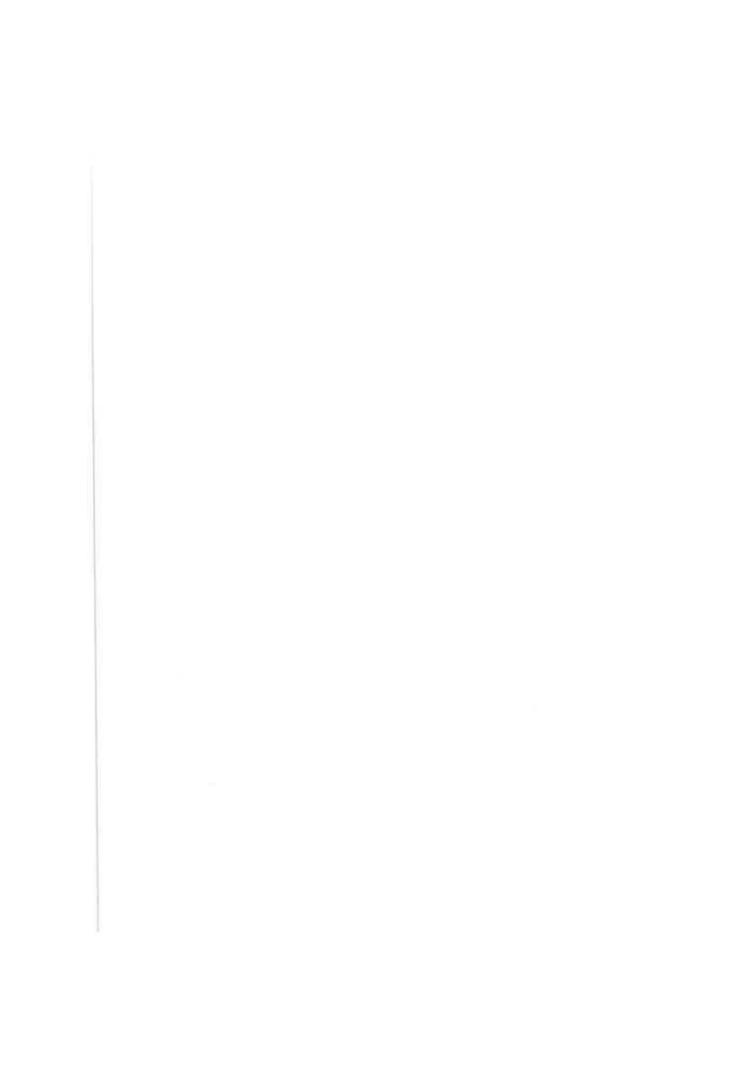WORKING PAPER 406

SELECTED CHINESE STATISTICS

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FOREWORD

In 1979, the Chinese government resumed the publication of a range of standard statistics, the first for more than twenty years. By 1981 substantial statistical handbooks had begun to appear, based on official figures from the State Statistical Bureau. Overseas editions of some of these works were published in Hong Kong under official Chinese auspices, in both Chinese and English. The most recent of these, *Zhongguo Tongji Nianjian, 1983 (Statistical Yearbook of China, 1983* - so far in Chinese only) is the source of most of the figures in this Working Paper. Its retrospective coverage of the whole period since liberation, including the phase virtually without published statistics from 1957 to 1979 and the Cultural Revolution itself, is fuller than that in previous volumes[#], and it contains rather more provincial detail - though on some topics, especially commerce, it remains reticent.

The group of tables reproduced in this Working Paper has two main functions. The tables are intended partly to introduce the new Yearbooks and the kinds of material they contain, and also partly to make available to as wide a public as possible, in geography and the various branches of Chinese study, a body of useful detail about the Chinese community and some of its parts. It was originally intended to reproduce material from the Yearbooks without change other than translation, but in the upshot a variety of changes, some merely editorial but others in some degree interpretive, were made in the selection and presentation of the data. Some groups of figures have been rounded arithmetically. For tables covering development over time since 1949, a selection of dates had realistically to be made, and this has been kept as standard as far as possible. The official Chinese order of listing of the province-level units has no evident rationale - certainly not a regional rationale; but in the tables presented here the provinces have been rearranged into conventional regional groups, and regional aggregate figures supplied. Some particularly useful figures which are not presented at all in the Yearbooks (cultivated area and sown area by province) can be and have been calculated from figures which are given. The source of each table is shown.

[#] This volume is discussed by Li Chengrui, "An analysis of China's economic situation during the period of 10 years of internal disorder and a look at the reliability of statistics from this period", *Jingji Yanjiu*, 1984(1), 23-33; translated in FBIS *Daily Report* 7 March 1984, K2-K15.

The materials are presented broadly in their original form, and the need for commentary has been kept to the minimum. Nevertheless, the reader should bear in mind the complexity of most of the statistical concepts used in the tables, and the great size of most of the geographical units. Commentary in the original tables is lacking, apart from occasional points of definition.

All the figures have been checked, but the authors are acutely aware of the possibility of remaining error which is not merely trivial, and which may arise from their inattention rather than from faults in the original tables. Some relatively trivial discrepancies (e.g. the size of the labour force in 1982 - see tables 1.1 and 2.2) do derive direct from the originals. Rather more serious discrepancies in the data on cities (tables 3.1, 3.2) also derive from the original tables. The authors will, of course, be happy to have errors or discrepancies pointed out.

The following are mainly the sources used, with the abbreviations given in the tables:

Zhongguo Tongji Nianjian 1983 (ZTN 83), State Statistical Bureau,PRC; Hong Kong, 1983 (in Chinese)

Statistical Yearbook of China 1981 (SYC 81), State Statistical Bureau, PRC; Hong Kong, 1982 (in English)

Almanac of China's Economy 1981 (Almanac 1981), Xue Muqiao, Editor-in-Chief, State Statistical Bureau, Economic Research Centre, and State Council,PRC; Hong Kong 1982 (in English)

UNITS IN USE IN CHINA

The People's Republic officially uses the metric system, but in addition some traditional units, now redefined in metric terms, are still in use.   The most important of these are the mou (or mu), a unit of area equivalent to one-fifteenth of a hectare or 667 sq.m. (about 26 m.sq.), and the jin, a unit of weight equivalent to half a kilogramme. The yuan or RMB, the Chinese unit of currency, has been around 3.0 to the £ sterling and 1.9 to the US dollar in most recent years.

Tables which relate to grain output or consumption take account of potatoes, which of course weigh much more heavily than grain.   Official figures up to 1963 use an equivalent of 4 units of potatoes to 1 of grain; from 1964 onwards 5 units of potatoes to 1 of grain (ZTN 83, 583).

Many figures in the original tables use the common Chinese (and Indian) numerical concept of 10,000 as unit; but these figures have generally been presented in this paper by thousands or millions, according to Western custom.   Finally, we have used the now standard pinyin spelling of Chinese names, and a map of the provinces named in this system is subjoined. Confusion is likely only between Shanxi (formerly Shansi) and Shaanxi (formerly Shensi).

LIST OF TABLES

Legend   China by provinces.   Beijing, Tianjin and Shanghai (BJ, TJ, SH) have the rank of provinces

TABLE 1.1 CHINA: POPULATION, SELECTED DATES SINCE 1949. TOTAL; URBAN AND RURAL*; LABOUR FORCE
(MILLIONS)

	TOTAL	URBAN	RURAL	LABOUR FORCE
1949	542	58	484	181
1952	575	72	503	207
1957	647	99	547	238
1962	673	116	556	259
1965	725	130	595	287
1970	830	144	686	344
1978	963	172	790	399
1982	1015	212	804	447

Source: ZTN 1983, 103, 120

* "Urban" population includes total population of rural counties attached to cities. "Rural" population
excludes rural towns. The net effect of these two definitions is to amplify urban populations in the
figures.

TABLE 1.2   STRUCTURE OF THE NATIONAL INCOME - SELECTED DATES; PERCENTAGES AT STANDARD PRICES

	AGRICULTURE	INDUSTRY	CONSTRUCTION	TRANSPORT	COMMERCE
1949	68.4	12.6	0.3	3.3	15.4
1952	57.7	19.5	3.6	4.3	14.9
1957	46.8	28.3	5.0	4.3	15.6
1962	48.0	32.8	3.5	4.1	11.6
1965	46.2	36.4	3.8	4.2	9.4
1970	41.3	40.1	4.1	3.8	10.7
1978	35.4	46.8	4.1	3.6	7.3
1982	44.6	42.2	4.6	3.1	5.5

Source: ŻiN 1983, p.25

TABLE 1.3   CHINA: OUTPUTS OF GRAIN CROPS AND COTTON; SELECTED YEARS

	Grain crops				Cotton			
	Sown areas (million mou)	Outputs (thou.mill. jin)	Yields (jin per mou)	Outputs per person (jin)	Sown areas (million mou)	Outputs (million jin)	Yields (jin per mou)	Outputs per person (jin)
1949	n/s	226	137	418	n/s	889	21	1.6
1952	1860	328	176	576	84	2607	31	4.6
1957	2005	390	195	612	87	3280	38	5.2
1962	1824	320	175	481	52	1500	29	2.3
1965	1794	389	217	544	75	4196	56	5.9
1970	1789	480	346	586	75	4554	61	5.6
1978	1809	606	337	637	73	4334	59	4.5
1982	1701	707	416	701	87	7197	82	7.1

Source: ZTN 1983, pp. 154, 162, 171-2, 184   Grain yield for 1970 deduced from figures
         in ZTN 1983, pp. 155-6, 158-160

TABLE 1.4   CHINA: SOWN AREA OF VARIOUS CROPS, SELECTED DATES, BY PERCENTAGES;   TOTAL SOWN AREA
(MILLION MOU)

	All grain crops	of which ...					All economic crops	of which ...			Total sown area (mill. mou)
		rice	wheat	maize	soya beans	potatoes		cotton	oil crops	sugar crops	
1949 n/s											
1952	87.8	20.1	17.5	8.9	8.3	6.2	8.8	3.9	4.0	0.1	2119
1957	85.0	20.5	17.5	9.5	8.1	6.7	9.2	3.7	4.4	0.3	2359
1962	86.7	19.2	17.2	n/s	6.8	8.7	6.3	2.5	3.0	0.2	2103
1965	83.5	20.8	17.2	10.9	6.0	7.8	8.5	3.5	3.6	0.4	2149
1970	83.1	22.6	17.7	11.0	5.6	7.5	8.2	3.5	2.6	0.4	2152
1978	80.3	22.9	19.4	13.3	4.8	7.9	9.6	3.2	4.1	0.6	2251
1982	78.4	22.8	19.3	12.8	5.8	6.5	13.0	4.0	6.5	0.8	2170

Source: ZTN 1983, 157, 154-5

TABLE 1.5   CHINA: ANIMAL POPULATIONS (MILLIONS) AND MEAT OUTPUTS (THOUSANDS OF TONS).
SELECTED YEARS

	Goats and sheep year end total	Pigs year end total	Meat output (including pork, mutton, goat and beef)
1949	42.4	57.8	n/s
1952	61.8	89.8	3385
1957	98.6	145.9	3985
1962	134.5	100.0	1940
1965	139.0	166.9	5510
1970	147.0	206.1	5965
1978	169.9	301.3	8563
1982	181.8	300.8	13508

Source: ZTN 1983, p. 178

TABLE 1.6   OUTPUTS OF INDUSTRIAL PRODUCTS; SELECTED YEARS

	Coal (100 mill. tons)	Crude oil (mill. tons)	Electricity (100 mill. kwh)	Pig iron (mill. tons)	Steel (mill. tons)	Cement (mill. tons)	Chemical fertiliser (thou. tons)	Cloth (100 mill. sq.m.)	Sewing machines (thou.)	Bicycles (thou.)	Electric bulbs (mill.)	Pharma-ceuticals (thou. tons)	Wrist watches (thou.)	Motor vehicles (thou.)
1949	0.32	0.12	43	0.25	0.16	0.66	6	18.9		14	13			
1952	0.66	0.44	73	1.93	1.35	2.86	39	38.3	66	80	26	0.1		
1957	1.31	1.46	193	5.94	5.35	6.86	151	50.5	278	806	69	2.2	0.4	7.9
1962	2.20	5.75	458	8.05	6.67	6.00	464	25.3	779	1371	220	7.1	761	9.7
1965	2.32	11.31	676	10.77	12.23	16.34	1726	62.8	1238	1838	192	10.5	1008	40.5
1970	3.54	30.65	1159	17.06	17.79	25.75	2435	91.5	2352	3688	386	21.5	3476	87.2
1978	6.18	77.06	2566	34.79	31.78	65.24	8693	110.3	4865	8540	759	40.7	13511	149.1
1982	6.66	102.1	3277 [of which about one-quarter represents primary energy (from water-power) in recent years]	35.51	37.16	95.20	12781	153.5	12860	24200	1073	42.2	28724	196.3

Source: ... 1983, 242-248

TABLE 1.7   CONSUMPTION - ANNUAL AVERAGES PER PERSON; VARIOUS COMMODITIES; SELECTED YEARS

	Grain (jin)	Edible oils (jin)	Pork (jin)	Cloth (sq.m.)
1952	395	4.2	n/s	n/s
1956	409	5.1	n/s	8.6
1966	379	3.5	14	6.6
1976	381	3.2	14	7.8
1978	319	3.0	15	8.0
1982	451	7.0	24	10.0

Source: *ZTN 1983*, 483, for 1978, 1982 (and see Table 4.3)
Li Chengrui, *op.cit.*, K12, for 1952-1976

TABLE 1.8   FOREIGN TRADE: SELECTED YEARS

EXPORTS

	Grain (mill. tons)	Live pigs (mill.)	Frozen poultry (thou. tons)	Cotton yarn (thou. tons)	Steel (thou. tons)	Coal (mill. tons)	Oil (mill. tons)	Machines (thou.)	Total exports (100 mill. of yuan at current prices)
1950	1.2	0.6	neg	1.8	0.4	2.0	neg	neg	20.2
1952	1.5	0.8	neg	0.1	0.4	0.3	neg	neg	27.1
1957	2.1	0.5	5.9	10.0	9.6	1.9	neg	0.1	54.5
1962	1.0	0.8	2.2	21.8	32.5	2.6	0.1	19	47.1
1965	2.4	1.7	4.0	31.3	47.2	3.4	0.2	17	63.1
1970	2.1	1.7	13.1	22.1	21.5	2.2	0.2	14	56.8
1978	1.9	2.5	34.6	23.4	33.2	3.1	11.3	48	167.7
1982	1.2	2.6	44.6	41.6	70.1	6.4	15.2	59	420.0

Source: *ZTN 1983*, 422-434, 420

TABLE 1.9   FOREIGN TRADE; SELECTED YEARS.   IMPORTS

	Grain[≠] (mill. tons)	Cotton (thou. tons)	Artificial fertiliser (mill. tons)	Rolled Steel (mill. tons)	Lorries (thou.)	Wrist watches (mill.)	Timber (mill. cu.m.)	Total imports (100 mill. at current prices)
1950	0.1	134	0.1	0.4	2	0.8	neg	21.4
1952	neg	77	0.2	0.5	2	0.4	neg	37.5
1957	0.2	48	1.2	0.7	2	0.9	neg	50.0
1962	5.0	37	12.4	0.2	2	1.0	neg	33.8
1965	6.4	199	27.3	0.8	6	0.4	1.6	55.3
1970	5.4	81	64.2	2.7	10	0.5	neg	56.1
1978	8.8	509	73.3	8.6	22	2.2	0.5	187.4
1982	16.1	474	110.1	4.1	7	0.9	4.8	336.4

≠ Throughout the period,upwards of 75% of this has been wheat

Source: *ZTN 1983,* pp. 435-439. 420

TABLE 2.1   POPULATION, BY PROVINCES AND REGIONS; YEAR-END, 1982 (MILLIONS)

	Totals	"Urban" populations[†]	"Rural" populations	Gross population densities (persons per sq. km)
China: Totals	1015.4[†]	211.5	803.9	106
North China region	246.2	48.7	197.5	
Beijing	9.2	6.0	3.2	367
Tianjin	7.8	5.3	2.5	547
Hebei	53.6	7.4	46.2	688
Henan	75.2	10.2	65.0	285
Shandong	74.9	14.4	60.6	450
Shanxi	25.5	5.4	20.0	490
				163
Central East region	162.1	33.7	128.4	
Shanghai	11.8 *	7.0	4.8	464
Jiangsu	60.9	9.5	51.4	1909
Anhui	50.2	7.2	43.0	593
Zhejiang	39.2	10.0	29.2	360
				385
North-East region	91.3	37.1	54.5	
Liaoning	35.9	15.1	20.8	117
Jilin	22.6	8.9	13.6	247
Heilongjiang	32.8	13.1	20.0	120
				70
Mid-Yangzi region	136.0	23.1	112.8	
Hubei	48.0	8.5	39.5	247
Hunan	54.5	8.2	46.3	256
Jiangxi	33.5	6.4	27.0	260
				201
North-West region	72.3	15.1	56.9	
Shaanxi	29.0	5.5	23.6	29
Gansu	20.0	3.1	16.6	141
Ningxia	3.9	0.9	3.0	43
Inner Mongolia	19.4	5.6	13.7	59
				16
South-West region	161.8	23.7	138.1	
Sichuan	100.2	14.2	86.1	143
Guizhou	28.8	5.4	23.3	177
Yunnan	32.8	4.1	28.7	163
				83
South China region	122.8	21.1	101.7	
Guangdong	60.0	11.1	48.8	215
Guangxi	36.8	4.5	32.3	282
Fujian	26.0	5.5	20.6	160
				215
Central Asia region	19.0	4.8	14.2	
Tibet	1.9	0.2	1.7	5
Xinjiang	13.2	3.8	9.4	2
Qinghai	3.9	0.8	3.1	8
				5

Source: ZTN 1983, p. 106

†   Includes armed services personnel - about 4 millions. These are apparently also included in the "urban" total.

‖   No definition of "urban" is given - but see note to Table 1.1.

TABLE 2.2   LABOUR FORCE, BY KINDS OF EMPLOYMENT BY PROVINCES AND REGIONS; 1982.   THOUSANDS

	Total labour force *	Workers in rural people's communes	Workers outside the rural commune sector (and %)	State employees					Workers employed by collective units in urban areas
				Total	in industry, and construction	in farming, forestry	in commerce, transport	others	
China: Totals	451475	338665	112810 (25)	86300	41812	8053	16948	19487	26510
North China region	109279	84059	25220 (23)	19907	11256	713	3997	4967	5113
Beijing	5395	1794	3601 (67)	2930	1358	59	542	971	671
Tianjin	4220	1615	2606 (62)	1989	1136	35	372	616	616
Hebei	24079	18950	5129 (21)	4218	2240	214	826	938	911
Henan	31703	26686	5017 (16)	4065	2007	153	863	1042	952
Shandong	33285	27681	5604 (17)	4720	2155	173	927	1015	1334
Shanxi	10597	7333	3264 (31)	2635	2360	79	467	555	629
Central East region	79972	60762	19210 (24)	13156	6855	902	2640	2759	6054
Shanghai	7589	2837	4752 (63)	3712	2219	201	643	649	1040
Jiangsu	30867	23873	6994 (23)	4440	2233	375	912	920	2554
Anhui	21590	17869	3721 (17)	2681	1313	193	529	641	1040
Zhejiang	19926	16183	3743 (19)	2323	1085	133	556	549	1420
North East region	35361	15891	19470 (55)	13862	7258	1579	2506	2519	5608
Liaoning	15673	7239	8434 (54)	5930	3328	441	1098	1063	2504
Jilin	11002	4371	4112 (37)	2923	1496	207	586	634	1189
Heilongjiang	11205	4281	6924 (62)	5009	2434	931	822	822	1915
Mid Yangzi region	59444	46391	13053 (22)	10289	4668	1306	1990	2325	2764
Hubei	21205	15686	5519 (26)	4352	1921	583	859	989	1167
Hunan	25481	21066	4415 (17)	3444	1591	358	693	802	971
Jiangxi	12758	9639	3119 (24)	2493	1156	365	438	534	626
North West region	29990	21740	8260 (28)	6887	3455	560	1257	1615	1373
Shaanxi	12597	9512	3085 (25)	2586	1436	85	433	632	499
Gansu	8252	6399	1853 (22)	1658	887	105	299	367	195
Ningxia	1555	1052	503 (32)	437	213	67	64	93	66
Inner Mongolia	7596	4777	2819 (37)	2206	919	303	461	923	613
South West region	74707	62659	12045 (16)	9665	4738	499	1928	2500	2370
Sichuan	47253	39550	7703 (16)	5967	3084	186	1183	1514	1736
Guizhou	12121	10122	1910 (16)	1581	754	80	304	443	329
Yunnan	15409	12987	2422 (16)	2117	900	233	441	543	305
South China region	54736	42531	12205 (22)	9372	3497	1405	2212	2471	2833
Guangdong	27842	20810	7032 (25)	5308	1810	988	1325	1185	1724
Guangxi	16657	13982	2675 (16)	2234	904	249	482	599	441
Fujian	10235	7739	2498 (24)	1830	783	168	405	687	668
Central Asia region	8384	4632	3752 (45)	2962	911	1089	417	535	395
Tibet	1025	842	183 (18)	168	36	26	46	50	15
Xinjiang	5260	2661	2599 (49)	2309	635	999	294	381	290
Qinghai	1704	1129	575 (34)	485	240	64	77	104	90

*   These figures are deduced
♪   Appears to include mining
∮   Includes education, health, administration

Source: ZTN 1983, pp. 83, 124, 127, 148

TABLE 2.3   LAND RESOURCES BY PROVINCE AND REGION

	Grass area (mill ha)	Cultivated area* (mill ha)	Sown area† (mill ha)	Cultivated area per person in rural labour force	
				ha per person	mou per person
China: Totals	10,058	98.9	144.6	0.29	4.3
North China region	67.1	25.7	35.3	0.31	4.6
Beijing	0.8	0.4	0.6	0.22	3.3
Tianjin	1.1	0.5	0.6	0.31	4.7
Hebei	18.5	6.6	8.6	0.35	5.3
Henan	16.7	7.1	11.1	0.27	4.1
Shandong	15.0	7.2	10.3	0.26	3.9
Shanxi	15.0	3.9	4.1	0.53	8.0
Central East region	34.9	11.2	22.0	0.18	2.7
Shanghai	0.6	0.4	0.8	0.14	2.1
Jiangsu	10.3	4.6	8.6	0.19	2.9
Anhui	14.0	4.4	8.0	0.24	3.6
Zhejiang	10.0	1.8	4.6	0.11	1.6
North-East region	78.0	16.5	16.4	1.04	15.6
Liaoning	14.0	3.7	3.8	0.51	7.6
Jilin	18.0	4.0	4.1	0.92	13.8
Heilongjiang	46.0	8.8	8.5	2.06	30.9
Mid-Yangzi region	55.0	9.6	21.0	0.21	3.2
Hubei	18.0	3.7	7.5	0.24	3.6
Hunan	20.4	3.4	8.0	0.16	2.4
Jiangxi	16.6	2.5	5.5	0.26	3.9
North-West region	248.7	13.4	13.5	0.61	9.1
Shaanxi	19.0	3.8	4.7	0.39	5.9
Gansu	45.0	3.5	3.4	0.55	8.3
Ningxia	66.4	0.9	0.8	0.86	12.9
Inner Mongolia	118.3	5.2	4.6	1.09	16.3
South-West region	113.0	11.4	19.0	0.18	2.7
Sichuan	57.0	6.6	12.1	0.17	2.5
Guizhou	17.0	1.9	2.9	0.19	2.8
Yunnan	39.0	2.9	4.0	0.22	3.3
South China region	57.1	7.1	13.7	0.17	2.5
Ghangdong	21.2	3.2	6.4	0.15	2.2
Guangxi	23.6	2.6	4.8	0.19	2.9
Fujian	12.3	1.3	2.5	0.17	2.5
Central Asia region	352.0	4.0	3.7	0.86	12.9
Tibet	120.0	0.2	0.2	0.24	3.6
Xingjiang	160.0	3.2	3.0	1.20	18.0
Qinghai	72.0	0.6	0.5	0.53	8.0

*   deduced from cols. 1 and 2 in *SYC 1983*, p. 186
†   deduced from cols. 1 and 2 in *ZTN 1983*, p. 199
    deduced from col. 2 above and col. 6 in *ZTN 1983*, p. 148.

TABLE 2.4   RURAL PEOPLE'S COMMUNES; ORGANISATION, 1982

	Communes-total number	Production brigades (thou.)	Production teams (thou.)	Households in communes (millions)
China: Totals	54352	719.4	5977	182.8
North China region	10012	222.5	1292	48.3
Beijing	263	4.0	13	1.0
Tianjin	218	3.9	18	0.9
Hebei	3651	50.4	297	11.1
Henan	1987	45.8	430	14.1
Shandong	2003	86.7	414	16.1
Shanxi	1890	31.7	120	5.1
Central East region	8542	112.1	1089	32.0
Shanghai	206	3.0	30	1.3
Jiangsu	1923	35.9	349	12.9
Anhui	3324	30.4	373	9.4
Zhejiang	3089	42.8	361	8.4
North East region	3160	40.3	241	12.3
Liaoning	1142	15.8	104	5.3
Jilin	930	10.2	72	3.1
Heilongjiang	1088	14.3	65	3.9
Mid Yangzi region	6282	101.2	1030	24.5
Hubei	1260	31.8	273	8.3
Hunan	3350	47.2	515	11.0
Jiangxi	1672	22.2	242	5.2
North West region	5662	62.6	357	11.8
Shaanxi	2521	30.8	161	5.2
Gansu	1506	16.8	109	3.2
Ningxia	256	2.3	18	0.5
Inner Mongolia	1379	12.7	69	2.9
South West region	13785	114.8	1044	30.7
Sichuan	8567	75.5	618	20.3
Guizhou	3827	25.5	230	5.0
Yunnan	1391	13.8	196	5.4
South China region	3791	55.2	835	20.7
Guangdong	1944	26.8	376	10.0
Guangxi	977	13.9	288	6.2
Fujian	870	14.5	171	4.5
Central Asia region	3118	10.9	55	2.4
Tibet	2063	n/a	10	0.3
Xinjiang	635	7.2	34	1.6
Qinghai	420	3.7	21	0.5

Source: ZTN 1983, p.148

TABLE 2.5   OUTPUTS OF AGRICULTURE; MAIN CROPS[#], 1982. QUANTITIES; PERCENTAGES FOR GRAIN AND COTTON

| | Grain crops - million tons | | | | | | | Cotton | | |
	Totals	% of Chinese output	Rice	Wheat	Maize	Soya beans	Potatoes	Totals (thou. tons)	% of Chinese output	Oil crops (thou. tons)
China: Totals	353.4	100	161.2	68.4	60.3	9.0	26.7	3598	100	11817
North China region	74.9	21.1	3.3	27.5	24.0	1.9	9.0	1798.4	50.0	2683.8
Beijing	1.9	0.5	0.2	0.4	0.9	neg	neg	1.0	neg	22.8
Tianjin	1.2	0.3	0.1	0.2	0.7	neg	neg	4.5	0.1	44.3
Hebei	17.5	5.0	0.7	4.5	7.2	0.3	1.3	385.8	10.7	538.0
Henan	22.2	6.3	1.7	12.2	4.4	0.7	2.2	326.3	9.1	441.6
Shandong	23.8	6.7	0.5	8.2	8.5	0.7	4.9	960.0	26.7	1425.0
Shanxi	8.3	2.3	0.1	2.0	2.3	0.2	0.6	120.8	3.4	212.1
Central East region	67.0	19.0	40.5	14.8	2.4	1.2	4.3	910.7	25.3	2726.4
Shanghai	2.1	0.6	1.5	0.2	neg	neg	neg	80.0	2.2	166.7
Jiangsu	28.5	8.1	14.4	7.1	1.9	0.5	1.5	575.5	16.0	918.8
Anhui	19.3	5.5	10.4	5.5	0.3	0.6	2.0	157.6	4.4	1254.9
Zhejiang	17.1	4.8	14.2	2.0	0.2	0.1	0.8	97.6	2.7	386.2
North East region	33.0	9.4	4.6	3.0	14.8	3.9	0.7	23.3	neg	990.2
Liaoning	11.5	3.3	2.5	neg	5.6	0.6	0.1	23.3	0.7	247.5
Jilin	10.0	2.8	1.4	0.2	5.9	0.7	0.2	neg	neg	292.7
Heilongjiang	11.5	3.3	0.7	2.8	3.3	2.6	0.4	neg	neg	450.0
Mid Yangzi region	57.8	16.3	48.9	4.0	1.3	0.6	2.4	504.7	14.0	1292.3
Hubei	20.0	5.6	13.5	3.6	1.1	0.2	1.1	341.0	9.5	574.7
Hunan	23.7	6.7	22.0	0.3	0.2	0.2	1.0	98.1	2.7	457.6
Jiangxi	14.1	4.0	13.4	0.1	neg	0.2	0.3	65.6	1.8	260.0
North West region	20.5	5.7	1.2	9.2	4.5	0.3	1.2	130.2	3.6	2362.1
Shaanxi	9.3	2.6	0.8	4.2	2.8	0.1	0.5	125.5	3.5	159.3
Gansu	4.7	1.3	neg	3.1	0.6	neg	0.3	4.7	0.1	142.7
Ningxia	1.2	0.3	0.4	0.6	neg	neg	neg	neg	neg	27.7
Inner Mongolia	5.3	1.5	neg	1.3	1.1	0.2	0.4	neg	neg	489.8
South West region	73.9	15.2	25.8	6.5	10.8	0.5	6.2	83.8	2.3	1542.6
Sichuan	37.4	10.6	17.7	6.4	6.1	0.3	5.1	82.2	2.3	1356.4
Guizhou	6.5	1.9	3.5	0.3	1.9	0.1	0.5	0.7	neg	481.0
Yunnan	9.5	2.7	4.6	0.7	2.8	0.1	0.6	0.9	neg	138.1
South China region	115.3	11.7	36.3	0.4	1.3	0.5	2.7	0.5	neg	1040.0
Guangdong	19.4	5.5	17.4	0.2	0.1	0.2	1.5	neg	neg	665.0
Guangxi	13.5	3.8	11.7	neg	1.2	0.2	0.3	0.5	neg	174.4
Fujian	8.5	2.4	7.2	0.2	neg	0.1	0.9	neg	neg	200.6
Central Asia region	6.4	1.6	0.3	3.0	1.2	neg	neg	146.1	4.1	289.2
Tibet	0.4	0.1	neg	0.1	neg	neg	neg	neg	neg	11.0
Xinjiang	4.1	1.2	0.3	2.3	1.2	neg	neg	146.1	4.1	204.5
Qinghai	0.9	0.3	neg	0.6	neg	neg	neg	neg	neg	73.7

No comparable figures for vegetables are available

Source: SYC 1983, pp. 166-169, 170

TABLE 2.6   STRUCTURE OF RURAL PRODUCTION, BY PROVINCES, 1982.   PERCENTAGES BY VALUE[#] AT 1980 PRICES

	Crop husbandry	Forestry	Animal husbandry	Fish	Subsidiary outputs Total	Subsidiary outputs Industry at brigade level
China: Totals	62.7	4.1	15.2	1.7	16.0	11.6
North China region						
Beijing	42.1	2.2	22.1	0.2	33.4	30.9
Tianjin	30.2	0.4	8.2	.1.5	59.7	54.4
Hebei	65.3	2.8	12.6	'0.5	18.8	13.9
Henan	67.4	2.0	10.7	0.2	19.7	13.2
Shandong	66.8	2.4	13.4	2.5	14.9	13.4
Shanxi	59.7	5.5	9.6	n/s	25.2	21.9
Central East region						
Shanghai	37.1	0.3	17.9	4.3	40.4	38.4
Jiangsu	59.2	0.9	14.9	2.2	22.8	21.8
Anhui	75.3	2.1	13.7	1.0	7.9	5.2
Zhejiang	53.8	2.7	15.5	4.7	23.3	19.3
North East region						
Liaoning	54.9	3.7	18.3	4.0	19.1	15.5
Jilin	68.1	5.1	14.1	0.3	12.4	7.3
Heilongjiang	70.6	6.1	13.9	0.5	8.9	6.0
Mid Yangzi region						
Hubei	68.3	4.5	13.0	1.6	12.6	8.0
Hunan	65.1	4.4	17.8	1.7	11.0	5.2
Jiangxi	62.2	5.6	13.6	1.4	17.2	7.1
North West region						
Shaanxi	70.7	5.6	12.8	n/s	10.9	7.3
Gansu	69.3	5.2	17.5	n/s	8.0	4.9
Ningxia	72.3	5.1	12.6	0.1	9.9	6.8
Inner Mongolia	54.5	6.9	26.3	0.4	11.9	5.3
South West region						
Sichuan	65.1	4.7	20.7	0.3	9.2	5.6
Guizhou	62.1	5.0	17.8	0.1	15.0	3.0
Yunnan	62.1	7.3	19.6	0.3	10.7	6.0
South China region						
Guangdong	56.0	9.5	14.9	5.1	14.5	8.5
Guangxi	61.5	6.1	17.8	1.4	13.2	4.7
Fujian	55.7	7.2	11.8	6.3	19.0	12.4
Central Asia region						
Tibet	33.1	1.6	54.7	n/s	10.6	n/s
Xinjiang	70.6	3.3	18.9	0.2	7.0	3.4
Qinghai	50.0	2.2	41.2	0.1	6.5	5.0

[#] Apparently gross values

Source: ZZN 1983, p.153

TABLE 2.7   MODERN INPUTS TO AGRICULTURE; BY PROVINCES AND REGIONS, 1982

	Mechanical power available (mill.h.p.)	Irrigated area (thou.ha)	Artificial fertiliser (thou.tons)	Rural use of electricity (mill.kwh)
China: Totals	225.9	44177	15134	39690
North China region	74.7	13121	4001	12100
Beijing	3.3	339	108	970
Tianjin	3.5	374	36	690
Hebei	18.4	3561	883	3540
Henan	18.5	3265	1005	2260
Shandong	22.8	4482	1639	3200
Shanxi	8.2	1100	280	1440
Central East region	39.3	7662	3212	9320
Shanghai	3.1	347	168	1500
Jiangsu	17.9	3476	1466	4260
Anhui	9.8	2314	909	950
Zhejiang	8.5	1525	669	2610
North East region	24.9	2130	1356	5420
Liaoning	8.4	723	635	2660
Jilin	5.4	733	363	1230
Heilongjiang	11.1	674	358	1530
Mid Yangzi region	25.6	6332	2089	2990
Hubei	11.1	2372	697	1230
Hunan	9.6	2371	913	1260
Jiangxi	4.9	1589	479	500
North West region	19.1	3353	616	2090
Shaanxi	7.2	1247	313	1280
Gansu	5.1	847	158	990
Ningxia	1.3	232	44	150
Inner Mongolia	5.5	1027	?01	570
South West region	16.8	4406	1744	2680
Sichuan	10.2	3044	1185	1700
Guizhou	2.0	438	237	340
Yunnan	4.6	924	322	640
South China region	20.7	4267	1924	3590
Guangdong	11.0	2048	939	2270
Guangxi	5.6	1406	530	520
Fujian	4.1	813	455	800
Central Asia region	5.1	2906	192	600
Tibet	0.4	137	5	10
Xinjiang	3.8	2610	145	510
Qinghai	0.9	159	42	80

Source: ZTN 1983, 189, 198, 199

TABLE 2.8   SELECTED CROPS; YIELDS PER MOU, BY PROVINCE AND REGION, 1982

JIN PER MOU

	Grain [f]	Cotton	Peanuts	Sugar cane	Sugar beet
China: Totals	416	82	216	7527	1936
North China region					
Beijing	469	67	161	neg	neg
Tianjin	326	58	155	neg	neg
Hebei	337	74	192	neg	1392
Henan	331	58	128	4483	1138
Shandong	412	96	299	neg	2585
Shanxi	328	72	253	neg	2316
Central East region					
Shanghai	641	99	150	neg	neg
Jiangsu	596	113	234	4988	1505
Anhui	427	64	149	3899	1477
Zhejiang	664	122	188	8631	neg
North East region					
Liaoning	488	67	191	neg	2305
Jilin	375	neg	186	neg	1638
Heilongjiang	216	neg	127	neg	1611
Mid Yangzi region					
Hubei	507	79	244	5891	1102
Hunan	586	78	146	6775	neg
Jiangxi	502	87	169	6791	neg
North West region					
Shaanxi	306	67	241	4200	1736
Gansu	220	99	neg	neg	2965
Ningxia	238	neg	neg	neg	3983
Inner Mongolia	184	neg	neg	neg	2515
South West region					
Sichuan	490	80	197	5624	1881
Guizhou	382	30	150	4395	489
Yunnan	363	31	137	7391	2167
South China region					
Guangdong	516	neg	201	8263	neg
Guangxi	458	29	150	6310	neg
Fujian	243	neg	255	10090	neg
Central Asia region					
Tibet	305	neg	200	neg	neg
Xinjiang	267	68	258	neg	2972
Qinghai	303	neg	neg	neg	2323

[f] These figures appear to represent yields per mou of sown area, i.e. per crop.
No figures are given for individual grain crops by province.

Source: CTN 1983, 173-4

TABLE 2.9   OUTPUTS OF INDUSTRY, MAIN PRODUCTS BY PROVINCE AND REGION, 1982

* Indicates producer of 8% or more of national output

	Coal (mill tons)	Crude oil (mill tons)	Electricity total (100 mill. kwh)	Electricity of which hydro (100 mill. kwh)	Pig iron (thou tons)	Steel (thou tons)	Cement (thou tons)	Chemical fertiliser (thou tons)	Cloth (mill sq.m)	Sewing machines (thou)	Bicycles (thou)	Electric bulbs (mill.)	Pharma- ceuticals (tons)	Wrist watches (thou)	Motor vehicles (thou)	Metal cutting machines (thou)	Plastics (thou tons)
China: Totals	666	102	3277	744	35508	37158	95204	12781	15351	12860	24200	1073	42213	33010	196	100	1003
North China region	310	35	898	24	9165	8149	24042	3368	4598	3245	8110	229	11054	8557	44	19	441
Beijing	8	neg	100	3	2916	2004	2491	120	298	641	100	27	1896	1759	28*	7	316*
Tianjin	neg	3	75	neg	425	1246	818	59	458	691	3891*	19	1166	3002*	5	2	69
Hebei	54*	11*	205	2	2197	1859	5874	997	1091	181	1074	41	2546	555	0.7	2	21
Henan	60*	5	178	14	809	639	4841	753	1037	467	721	60	654	600	9	1	10
Shandong	43	16*	203	neg	1199	901	6684	1015*	1284*	924	1989*	54	4069*	2600*	6	6	17
Shanxi	145*	neg	137	5	1616	1500	3124	424	430	341	335	28	733	41	0.5	0.7	8
Central East region	43	neg	597	50	4921	7591	16490	2434	4918	4323	8251	330	11664	15227	21	33	269
Shanghai	neg	neg	220	neg	1681	4943*	2130	173	1651*	2593*	4705*	168*	5031*	10525*	21	16*	152*
Jiangsu	18	0.4	180	neg	815	625	7494*	1186*	2109*	953	2263*	82	403*	3630*	11	10*	75
Anhui	24	neg	104	9	2136	1620	2897	583	578	182	464	25	426	428	1	2	15
Zhejiang	1	neg	93	41	289	403	3969	492	580	590	794	54	2126	644	2	5	27
North East region	101	60	561	45	10101	9656	13369	1248	1136	1243	2612	114	6441	4493	69	18	133
Liaoning	36	6	297*	26	9631*	8856*	8126*	627	716	863	1810	71	3898*	3563*	7	16*	93*
Jilin	19	2	115	17	322	244	2032	298	192	200	324	19	1280	550	61*	0.8	28
Heilongjiang	46	52*	149	2	148	556	3211	323	228	180	378	24	1263	380	0.8	1	12
Mid Yangzi region	46	1	349	205	4553	4928	13177	1833	2036	1194	1921	116	4864	1370	56	12	31
Hubei	5	1	154	103*	3345*	3648*	4902	669	1257*	665	1072	50	2065	685	55*	4	9
Hunan	25	neg	131	80*	907	849	5787	936	447	408	592	39	1867	203	0.8	3	18
Jiangxi	16	neg	64	22	301	431	2482	228	332	121	257	27	932	482	0.4	5	4
North West region	62	2	287	117	1873	1671	6177	553	878	606	587	59	3038	1245	neg	2	60
Shaanxi	20	0.1	74	8	88	199	2579	224	711	602	547	38	2363	1244	0.2	1	7
Gansu	9	neg	134	98*	409	179	2049	180	69	neg	25	15	201	1	neg	neg	52
Ningxia	9	0.5	21	11	3	5	305	54	13	neg	neg	neg	44	neg	neg	neg	neg
Inner Mongolia	24	neg	58	neg	1373	1288	1244	95	85	4	14	6	430	neg	neg	0.5	neg
South West region	71	neg	292	145	3800	3928	9961	2102	960	422	412	82	3057	946	4	8	27
Sichuan	41	0.1	172	83*	2853*	3376*	6409	1282*	725	253	321	58	2907	884	3	6	19
Guizhou	17	neg	58	31	436	106	1611	310	74	48	neg	8	27	20	neg	0.4	2
Yunnan	13	neg	62	33	511	446	1941	510	161	121	91	16	123	42	1	0.2	6
South China region	18	neg	253	147	955	923	10577	1205	609	1826	2402	133	2004	1295	2	7	43
Guangdong	8	0.1	136	63*	434	429	6189	644	287	1100*	1746	62	1244	1131	0.8	4	11
Guangxi	6	neg	60	43	222	245	2745	289	176	369	444	32	424	163	0.8	2	3
Fujian	4	neg	57	41	299	249	1637	272	146	357	212	39	336	neg	neg	1	29
Central Asia region	14	4	38	8	141	312	1444	38	216	neg	1	10	91	neg	neg	1	neg
Tibet	neg				neg	neg	58	11	neg	neg	neg	neg	neg	neg	neg	neg	neg
Xinjiang	12	4			neg	130	1104	11	176	neg	neg	neg	91	neg	neg	0.2	neg
Qinghai						182	282	27	20	neg	neg	3	neg	neg	0.5	0.6	neg

TABLE 3.1   CHINESE CITIES OF MORE THAN 500,000 POPULATION; POPULATION TOTALS. BY REGIONS; 1982;
(THOUSANDS OF PERSONS)

These figures exclude total populations of rural counties attached to cities, and all farm
populations.

North (total - 17240)	Beijing	4770	Tangshan	890
	Tianjin	3920	Shijiazhuang	850
	Taiyuan	1280	Handan	680
	Qingdao	1080	Zibo	640
	Jinan	1040	Datong	610
	Zhengzhou	900	Luoyang	580
North East (total - 14680)	Shenyang	3030	Qiqihar	920
	Harbin	2150	Jilin	840
	Changchun	1340	Yichun	750
	Dalian	1240	Benxi	650
	Fushun	1040	Jixi	610
	Anshan	1030	Jinzhou	550
			Fuxin	530
Central East (total - 11880)	Shanghai	6220	Wuxi	640
	Nanjing	1740	Suzhou	570
	Hangzhou	930	Hefei	560
	Xuzhou	670	Huainan	550
South West (total - 5210)	Chongqing	1940	Kunming	1020
	Chengdu	1410	Guiyang	840
Mid Yangzi (total - 4430)	W han	2730	Nanchang	840
	Changsha	860		
North West (total - 4060)	Xian	1610	Baotou	850
	Lanzhou	1080	Hohhot	520
South (total - 3610)	Guangzhou	2380	Nanning	520
	Fuzhou	710		
Central Asia	Urumqi	900		

Source: ZTN 1983, p.108

TABLE 3.2 KEY CITIES IN ORDER OF URBAN POPULATION. ASSORTED ECONOMIC INDICATORS; 1982

	Population (thousands)		Industry (urban area)				Farm outputs (total area)			Commerce and services (urban area)		Hospital beds (urban area) (thou.)	Residential building - urban area (thou. sq.m)	
	Urban	Total	Net value of state-owned fixed capital (100 mill. yuan)	Gross output value (100 mill. yuan)	%age of "heavy" industry	Labour force (1981)§ (thou.)	Grain production (mill. jin)	Vegetable production (mill. jin)	Pigs killed (thou. head)	Employees in commerce, catering and service trades (thou.)	Retail sales (mill. yuan)		Total	Newly completed
Shanghai	6270	11810	85.7	442	44	2420	4319	3275	3734	325	6749	34	27200	2440
Beijing	5550	9190	96.6	175	55	1430	3701	4165	2124	279	5811	29	29290	4200
Tianjin	5130	7780	65.3	165	43	1270	2450	2586	763	195	3576	18	14940	3590
Shenyang	4020	5140	35.6	73	60	1110	3450	2389	570	152	2574	16	10360	1610
Wuhan	3230	4180	71.0	84	49	880	1342	1306	1000	121	2221	17	13280	2020
Guangzhou	3120	5610	27.9	71	36	680	285	1287	902	169	3048	14	10760	1260
Chongqing	2650	6510	46.2	59	55	770	3729	2104	2267	77	1413	15	6620	2870
Harbin‡	2550	2550	30.0	42	54	660	111	916	49	115	1920	14	7140	1120
Chengdu	2470	4020	35.2	43	58	510	2398	845	1343	95	1314	13	6110	1260
Xian	2180	2940	27.0	38	45	500	951	864	166	96	1331	11	6500	1140
Nanjing	2130	3740	28.2	54	62	530	2217	730	595	92	1446	9	9390	1330
Taiyuan	1750	2200	36.0	35	70	430	635	819	189	62	956	13	5680	1000
Changchun	1740	5750	15.2	29	58	420	6085	1775	1037	67	1203	9	5740	700
Dalian	1480	4720	20.8	45	64	470	2305	2023	1121	59	1122	8	5110	840
Lanzhou	1430	2400	37.6	39	76	320	353	589	180	73	929	9	4190	830
Jinan	1320	3350	14.4	30	41	n/a	1410	1036	333	64	1048	8	4750	930
Qingdao	1180	4260	16.1	44	35	n/a	2010	1653	722	39	946	6	4670	910

§ This figure appears in SYC 1981, 11-37

‡ For Harbin there is no distinction between "urban area" and "total area"

Source: SYC, 31-33

TABLE 3.3   STATISTICS FOR FOURTEEN COASTAL CITIES[*]

	Population (thou.)			Industry			
	Urban area	Total area	Total workforce (thou.)	Industrial workforce (thou.)	Gross output of industry (100 mill.yuan)	Value of fixed industrial capital at cost (100 mill.yuan)	Industrial profit and tax per 100 yuan fixed capital
Dalian (LN)	1515	4768	1092	588	84	51	31
Qinhuangdao (HB)	412	2230	255	109	9	9	15
Tianjin	5193	7853	2682	1370	229	115	36
Yantai (SD)	685	8109	578	285	47	16	19
Qingdao (SD)	1206	6204	855	498	78	33	36
Lianyungang (JS)	433	2925	316	122	14	6	24
Nantong (JS)	397	7413	651	306	60	13	26
Shanghai	6391	11940	4830	2633	679	235	66
Ningbo (ZJ)	472	4815	550	284	52	8	39
Wenzhou (ZJ)	510	6115	501	284	18	ſ	15
Fuzhou (FJ)	1142	4749	624	274	26	11	19
Guangzhou (GD)	3155	6839	1790	778	119	49	35
Zhanjiang (GD)	878	4627	358	123	10	5	21
Beihai (GD)	167	167	42	15	1	1	13

[*] these figures are published without a specified date, but appear to be for 1983; this may be one reason why they do not marry well with those in Table 3.2. It is not stated whether the industrial figures relate to the urban areas or total areas, but the former would appear to be the case.

Source: Guangming Daily, 11 June 1984, 2

TABLE 4.1   LABOUR FORCE BY KIND OF EMPLOYMENT AND BY SECTORS OF THE ECONOMY.   MILLIONS OF WORKERS; PERCENTAGES; 1982

	Totals	%ages	Workers in state owned units	%ages	Workers in urban collectively owned units	%ages	Rural workers	%ages
Totals	447		86		27		333	
Industry	59	13	35	41	15	58	9	3
Construction	13	3	7	8	3	11	4	1
Agriculture, forestry, herding	320	72	8	9	0.5	2	312	94
Transport, communications	8	2	5	6	2	8	1	0.3
Commerce, catering	18	4	12	14	4	14	1	0.4
Education, health	16	4	12	14	1	4	4	1
Official bodies	6	1	6	7		0.5		0.1
Others	5	1	2	2		2		0.7

Source: 6263, 121

TABLE 4.2   LIGHT AND HEAVY INDUSTRY: OUTPUTS BY GROSS VALUES; PERCENTAGES, 1982

	Outputs by value (100 mill. yuan)	Percentage of total value
Light industry	2815	100
Food industries	756	27
Textiles	867	31
Clothing	142	5
Leather	56	2
Paper	74	3
Printing	59	2
Chemical	246	9
Machinery	343	12
Wood	44	2
Heavy industry	2763	100
Metals	485	18
Electrical	207	8
Coal and coke	166	6
Oil	288	10
Chemicals	412	15
Machinery	882	32
Building materials	223	8
Timber	40	3

Source: ZZTN 1983, pp. 224-5

TABLE 4.3   LIVELIHOOD IN CHINA; VARIOUS INDICATORS, 1982 (FIGURES FOR 1978 IN BRACKETS)

I   Incomes - annual, yuan (from household surveys)

     Average net income per worker: Peasant 270 (134)
                                   Employee 798 (614)

II   Consumption - annual, average (including supplies used in manufacturing)

     Grain 451 jin (319)   Pork 24 jin (15)
     Edible oil 7 jin (3)   Cloth 10 sq.m. (8)

III   House-space.   Area per person (sq. m.)

     Urban 5.6 (4.4)   Rural 10.7 (8.1)

IV   Miscellaneous - per thousand persons

     Bicycles 131 (77)
     Television 27 (3)
     College students 1
     Hospital beds 2
     Daily newspapers 38
     Retail, catering and science establishments 3.8 (1.3)
     Retail, catering and service employees 12.7 (6.3)

Source: ZTN 1983, p. 483