

WORKING PAPER 517

SELECTED CHINESE STATISTICS
(Second Series)

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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 have been published in Hong Kong under official Chinese auspices, in both Chinese and English, and in recent years by Oxford University Press in English. Most of the material used in the present Working Paper comes from one or other of these volumes.

The tables compiled for this Working Paper have 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 a body of useful detail about the Chinese community and some of its parts. All the material has been rearranged in the course of translation and editing; much has been simplified but in many cases materials from more than one original table have been brought together in order to suggest parallels or contrasts; in others, ratios have been added to the original detail. Most figures have been rounded arithmetically. For tables covering development over time since 1949 (usually based on the Yearbook of 1983) 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 is based on planning regions proposed in the 1950s, and has little 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. Generally, the expression "neg" ("negligible") is used in the tables to indicate less than 0.5. This may of course be a substantial absolute amount, according to be unit used. "N/s" indicates that no figure is given.

Although the materials have been rearranged, commentary has been kept to the minimum. 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 author is acutely aware of the possibility of remaining error which is more than trivial, and which may arise from inattention rather than from faults in the original tables. Some discrepancies (e.g. detail of the labour force - see Tables 1.1 and 2.3) do derive direct from the originals. The author will, of course, be happy to have errors or discrepancies pointed out.

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

- Zhongguo Tongji Nianjian 1987*, State Statistical Bureau, PRC; Beijing and Hong Kong, 1987 (in Chinese) (*ZTN 1987*)
- Zhongguo Tongji Nianjian 1983*, State Statistical Bureau, PRC; Beijing and Hong Kong, 1983 (in Chinese) (*ZTN 1983*)
- Statistical Yearbook of China 1981*, State Statistical Bureau, PRC; Hong Kong, 1982 (in English) (*SYC 81*)

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 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 kilogram. The yuan or RMB, the Chinese unit of currency, has been around 3.0 to the £ sterling until 1986; now around 6 to the £.

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 1983*, 583).

Many figures in the original tables use the common Chinese (and Indian) numerical concept of 10,000 as unit; but these figures have 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). This map also shows the conventional regional grouping of the provinces which has been adopted.

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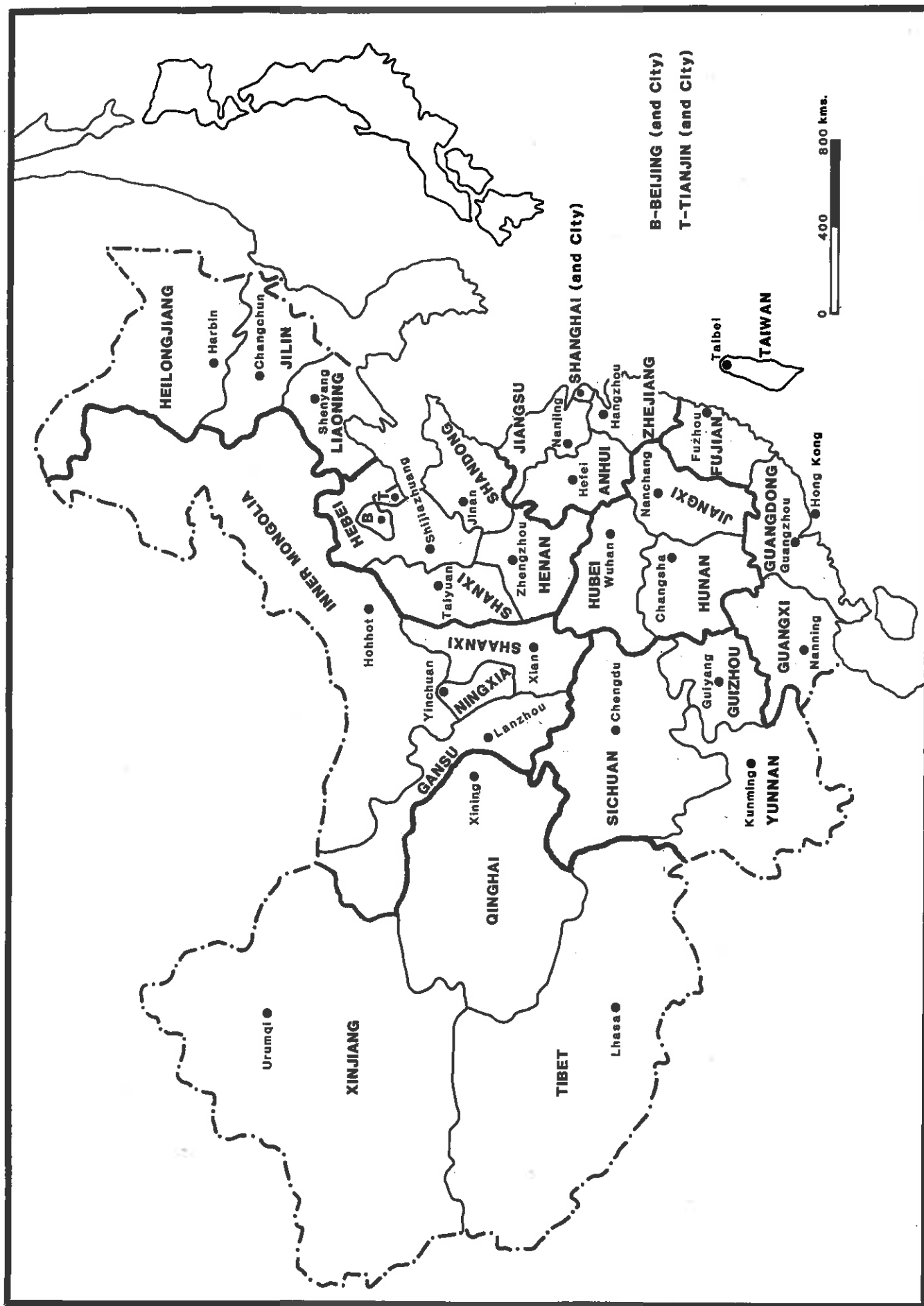
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CHINA, showing provinces and the conventional regions used in this paper

TABLE 1.1.1

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
1986	1057	438	619	513

Source ZTN 1983, 103, 120
ZTN 1987, 89, 115

‡ "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.

* 1982 is the peak year for rural population, partly because of subsequent redefinition (in 1984) "urban" and "rural" populations.

TABLE 1.2

STRUCTURE OF THE NATIONAL INCOME - SELECTED DATES; PERCENTAGES AT CURRENT 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	43.9	42.3	4.9	3.5	5.4
1986	34.9	45.6	6.3	3.6	9.6

Sources: ZTN 1983, 25
ZTN 1987, 53

"National income" in this table is defined as the sum of net outputs in the various sectors (named in the table) which contribute to total material output.

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

	Grain crops				Cotton			
	Sown areas (million μ)	Outputs (thou.mill. μ)	Yields (μ per μ)	Outputs per person (μ)	Sown areas (million μ)	Outputs (million μ)	Yields (μ per μ)	Outputs per person (μ)
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
1986	1664	784	470	742	65	7080	110	6.7

Sources: ZFN 1983, 154, 162, 171-2, 184
ZFN 1987, 169, 170, 175

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
1985	75.8	22.3	20.4	12.3	5.4	6.0	15.6	3.6	6.2	1.1	2154

Source: ZTN 1983, 157, 154-5; for 1985, ZTN 1987, 137.

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
1986	166.2	337.2	19171

Sources: ZTN 1983, 178
ZTN 1987, 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	35.51	37.16	95.20	12781	153.5	12860	24200	1073	42.2	33010	196.3
1986	8.94	130.7	4495*	50.64	52.20	166.06	13957	164.7	9894	35683	1609	n/a	73174	369.8

Sources: ZTN 1983, 242-8
ZTN 1987, 281-3

* About one-quarter of electricity production has been hydro-power in recent years.

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

	Grain (jin)	Edible oils (jin)	Pork (jin)	Cloth (sq.m.)	Houseroom (sq.m.)		Consumption levels (index, based on 1952)
					Urban	Rural	
1952	395	4.2	n/s	n/s	n/s	n/s	100
1956	409	5.1	n/s	8.6	n/s	n/s	120
1966	379	3.5	14	6.6	n/s	n/s	138
1976	381	3.2	14	7.8	n/s	n/s	167
1978	319	3.0	15	8.0	4.2	8.1	177
1982	451	7.0	24	10.0	n/s	n/s	233
1986	512	10.4	29	22.4	8.0	15.3	330

Sources: ZTN 1983, 483 for 1978, 1982 (and see Table 4.3)
ZTN 1987, 669, 671 for columns 6 and 7 and for 1986

TABLE 1.8 ENERGY : PRODUCTION AND CONSUMPTION, 1949-1986. MILLIONS OF TONS OF STANDARD COAL;
PERCENTAGES

	Total energy production	Kinds of energy				Total energy consumption	Kinds of energy			
		Coal	Oil	Natural gas	Hydro		Coal	Oil	Natural gas	Hydro
1949	24	96	1	neg	3	n/s	n/s	n/s	n/s	n/s
1957	99	95	2	neg	3	96	92	5	neg	3
1965	188	88	9	1	3	189	86	10	1	3
1978	628	70	24	3	3	571	71	23	3	3
1982	668	71	22	2	5	626	74	19	3	5
1986	881	72	21	2	4	809	66	17	2	5

Source: ZTN 1987, 351

TABLE 1.9 RETAIL, CATERING AND SERVICE TRADES - UNITS BY FORMS OF OWNERSHIP. SELECTED DATES.
THOUSANDS

	Retail trades			Catering trades			Service trades			All trades	
	Totals	State ownership	Other kinds of ownership	Totals	State ownership	Other kinds of ownership	Totals	State ownership	Other kinds of ownership	Totals of units	Persons # per unit
1952	4200	130	4070	850	1	849	450	10	440	5500	105
1957	1953	521	1432	470	40	430	280	33	247	2703	239
1965	881	346	635	217	38	179	188	29	159	1286	565
1978	1048	357	691	117	54	63	90	43	47	1255	767
1986	7967	241	7726	1420	30	1390	1609	35	1574	10996	96

Individuals per commercial unit. This column has been added

Source: ZTN 1987, 524, 89

TABLE 1.10 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. 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	413.8
1986	9.4	3.1	n/s	228.3	226.7	9.8	28.5	50	1082.1

Source: ZTN 1983, 422-434, 420 and
ZTN 1987, 597-9, 591

Figures 1950-78 are Foreign Trade Department figures; 1982-86 are from Customs Department

TABLE 1.11 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.yuan 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	357.5
1986	7.7	neg	5.1	18.4	65	n/a	7.1	1498.3

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

Sources: ZTN 1983, 435-439, 420 and
ZTN 1987, 600-1, 591.

Figures 1950-82 are from Foreign Trade Department;
1986 from Customs Department

TABLE 2.1 CHINA : POPULATION, BY PROVINCES AND REGIONS; TOTALS, DENSITIES (1986);
URBAN, RURAL (1982)

	Totals	"Urban" # populations	"Rural" # populations	Gross populat ⁿ densities (persons per sq. km)
China: Totals	1057.2*	211.5	803.9	110
North China region	256.7	48.7	197.5	371
Beijing	9.8	6.0	3.2	580
Tianjin	8.2	5.3	2.5	725
Hebei	56.2	7.4	46.2	299
Henan	78.1	10.2	65.0	468
Shandong	77.8	14.4	60.6	507
Shanxi	26.6	5.4	20.0	170
Central East region	167.9	33.7	128.4	481
Shanghai	12.3	7.0	4.8	1987
Jiangsu	62.7	9.5	51.4	611
Anhui	52.2	7.2	43.0	374
Zhejiang	40.7	10.0	29.2	400
North-East region	93.8	37.1	54.5	115
Liaoning	37.3	15.1	20.8	256
Jilin	23.2	8.9	13.6	124
Heilongjiang	33.3	13.1	20.0	71
Mid-Yangzi region	142.0	23.1	112.8	252
Hubei	49.9	8.5	39.5	266
Hunan	57.0	8.2	46.3	271
Jiangxi	35.1	6.4	27.0	211
North-West region	75.6	15.1	56.9	30
Shaanxi	30.4	5.5	23.6	148
Gansu	20.7	3.1	16.6	46
Ningxia	4.2	0.9	3.0	64
Inner Mongolia	20.3	5.6	13.7	17
South-West region	167.9	23.7	138.1	148
Sichuan	103.2	14.2	86.1	182
Guizhou	30.1	5.4	23.3	171
Yunnan	34.6	4.1	28.7	88
South China region	130.5	21.1	101.7	229
Guangdong	63.5	11.1	48.8	299
Guangxi	39.5	4.5	32.3	167
Fujian	27.5	5.5	20.6	227
Central Asia region	19.9	4.8	14.2	6
Tibet	2.0	0.2	1.7	2
Xinjiang	13.8	3.8	9.4	9
Qinghai	4.1	0.8	3.1	6

Source: For totals and gross densities, *ZTN 1987*, 91. For "urban" and "rural", *ZTN 1987*, 93. "Urban" and "rural" figures appear to relate to 1982; totals and densities are for 1986.

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

"Urban" populations do not include rural populations of counties attached to cities.

"Rural" populations exclude populations of rural towns (down to zhen level).

TABLE 2.2 CHINA : TOTAL PRODUCT OF SOCIETY* BY PROVINCE AND SECTOR, 1985.
TOTALS AND PERCENTAGES, AT CURRENT PRICES. TOTAL PRODUCT PER PERSON.

	Total product (thou.mill.yuan)	Agriculture %	Industry %	Construction %	Transport %	Commerce %	Total product per person (yuan)
China: Totals	1659						1570
North China region	412						1605
Beijing	48	5	76	14	4	7	5060
Tianjin	43	5	75	9	5	7	5244
Hebei	75	22	58	9	4	7	1335
Henan	82	30	44	11	4	7	1051
Shandong	124	27	59	10	3	5	1594
Shanxi	40	16	51	15	5	5	1504
Central East region	404						2406
Shanghai	106	3	82	5	4	7	8618
Jiangsu	153	19	67	8	2	4	2440
Anhui	58	34	48	10	3	5	1111
Zhejiang	87	20	63	8	3	6	2138
North East region	213						2271
Liaoning	108	11	72	9	4	5	2895
Jilin	42	20	61	10	3	6	1810
Heilongjiang	63	18	62	12	4	4	1892
Mid Yangzi region	179						1261
Hubei	80	24	58	9	3	6	1603
Hunan	63	31	56	9	4	6	1105
Jiangxi	36	31	43	10	3	5	1029
North West region	87						1151
Shaanxi	34	23	56	12	4	6	1118
Gansu	23	21	54	11	6	8	1111
Ningxia	5	23	47	18	5	6	1190
Inner Mongolia	25	29	45	14	5	7	1232
South West region	154						906
Sichuan	105	30	51	10	3	7	1019
Guizhou	21	33	46	11	5	6	698
Yunnan	28	32	45	12	4	7	809
South China region	178						1369
Guangdong	111	25	49	12	4	10	1750
Guangxi	32	34	44	10	3	9	810
Fujian	35	29	43	11	4	7	1273
Central Asia region	25						1256
Tibet	2	49	10	26	6	10	1000
Xinjiang	18	31	46	11	4	7	1304
Qinghai	5	22	41	23	6	8	1220

* Total product of society is defined as gross output of the five categories of material production which appear in the table.

Source: ZTN 1987, 40, 42, 91

TABLE 2.3 LABOUR FORCE - TOTALS; BY KINDS OF EMPLOYMENT BY PROVINCES AND REGIONS, 1986. MILLIONS

	Total employed labour force	Labour force in state and kindred employment	Labour force in cooperative and individual employment	Rural labour force*
China: Totals	513	128	40	380
North China region	123	29	8	94
Beijing	6	4	1	2
Tianjin	5	3	1	2
Hebei	27	6	1	21
Henan	36	6	2	30
Shandong	37	6	2	31
Shanxi	12	4	1	8
Central East region	92	21	8	68
Shanghai	8	5	1	3
Jiangsu	35	8	3	26
Anhui	25	4	2	20
Zhejiang	24	4	2	19
North East region	41	22	8	18
Liaoning	18	9	3	8
Jilin	10	5	2	5
Heilongjiang	13	8	3	5
Mid Yangzi region	67	15	4	52
Hubei	23	6	2	17
Hunan	28	5	1	23
Jiangxi	16	4	1	12
North West region	35	9	2	24
Shaanxi	14	3	1	11
Gansu	10	2	neg	7
Ningxia	2	1	neg	1
Inner Mongolia	9	3	1	5
South West region	84	14	5	71
Sichuan	53	9	3	44
Guizhou	14	2	1	12
Yunnan	17	3	1	15
South China region	62	14	5	48
Guangdong	31	8	3	23
Guangxi	19	3	1	16
Fujian	12	3	1	9
Central Asia region	9	4	1	4
Tibet	1	neg	neg	1
Xinjiang	6	3	1	3
Qinghai	2	1	neg	1

* Some rural workers are enumerated in previous columns

Source: ZTN 1987, 116-7, 118-9, 124-6, 135-6

TABLE 2.4 LAND RESOURCES BY PROVINCE AND REGION

	Gross area (mill ha)†	Cultivated area (1981) (mill ha)*	Sown area (1986) (mill ha)‡
China: Totals	961.9	98.9	144.2
North China region	69.1	25.7	35.3
Beijing	1.6	0.4	0.6
Tianjin	1.1	0.5	0.6
Hebei	18.8	6.6	8.8
Henan	16.7	7.1	11.8
Shandong	15.3	7.2	11.0
Shanxi	15.6	3.9	3.9
Central East region	34.9	11.2	21.6
Shanghai	0.6	0.4	0.7
Jiangsu	10.3	4.6	8.5
Anhui	14.0	4.4	8.1
Zhejiang	10.0	1.8	4.3
North-East region	81.8	16.5	16.4
Liaoning	14.6	3.7	3.6
Jilin	20.3	4.0	4.1
Heilongjiang	46.9	8.8	8.5
Mid-Yangzi region	56.3	9.6	21.0
Hubei	18.7	3.7	7.4
Hunan	21.0	3.4	7.5
Jiangxi	16.6	2.5	5.4
North-West region	191.6	13.4	13.5
Shaanxi	20.6	3.8	4.7
Gansu	45.0	3.5	3.5
Ningxia	6.6	0.9	0.8
Inner Mongolia	119.4	5.2	4.5
South-West region	113.6	11.4	19.0
Sichuan	56.7	6.6	11.8
Guizhou	17.6	1.9	3.1
Yunnan	39.3	2.9	4.0
South China region	56.9	7.1	13.7
Guangdong	21.2	3.2	6.0
Guangxi	23.6	2.6	4.5
Fujian	12.1	1.3	2.4
Central Asia region	324.0	4.0	3.7
Tibet	101.5	0.2	0.2
Xingjiang	153.8	3.2	2.8
Qinghai	68.7	0.6	0.5

Source: † deduced from columns 2 and 7 in *ZTN 1987*, 91.

* deduced from columns 1 and 2 in *SYC 1981*, 186. Figures for cultivated area are no longer available.

‡ *ZTN 1987*, 165. Sown areas have changed very little since 1982.

TABLE 2.5 STRUCTURE OF RURAL PRODUCTION, BY PROVINCES, 1986. GROSS VALUES AT CURRENT PRICES.
(HUNDRED MILLION YUAN)

	Total outputs	Crop husbandry	Forestry	Animal husbandry	Fish	Subsidiary outputs other than industry	Enterprises at or below township level
China: Totals	6237	2498 (40)	201 (3)	875 (14)	164(3)	276 (4)	2224 (36)
North China region	1483	640	37	163	24	46	575
Beijing	89	16 (18)	1	9 (11)	1	1	61 (69)
Tianjin	68	17	neg	6	2	2	41
Hebei	273	125 (45)	6	33 (12)	3	7	99 (36)
Henan	333	184 (55)	13	42	2	19	74
Shandong	614	256	13	63	16	14	253
Shanxi	106	42 (40)	4	10 (10)	neg	3	47 (44)
Central East region	1064	486	23	163	51	46	824
Shanghai	149	17 (12)	neg	13 (9)	3	neg	115 (77)
Jiangsu	747	212 (28)	5	69 (9)	23	24	414 (55)
Anhui	275	156	9	41	5	10	54
Zhejiang	433	101	9	40	20	22	241
North East region	557	257	13	73	14	21	180
Liaoning	266	84 (31)	4	32	11	11	124 (47)
Jilin	125	71	3	19	1	5	27
Heilongjiang	166	102 (61)	6	22	2	5	29 (17)
Mid Yangzi region	774	346	37	131	23	36	207
Hubei	302	147 (49)	9	44	11	9	83 (27)
Hunan	309	129	14	58	8	13	86
Jiangxi	163	70 (43)	10	29	4	12	38 (23)
North West region	296	136	14	54	1	20	62
Shaanxi	123	59 (51)	6	14	neg	8	36 (29)
Gansu	69	37	3	13	neg	3	13
Ningxia	17	10	1	3	neg	1	3
Inner Mongolia	87	40	4	24 (28)	1	8	10
South West region	636	302	29	140 (22)	5	36	122
Sichuan	433	206	17	94	4	17	94
Guizhou	86	44 (51)	5 (6)	20 (23)	neg	9 (10)	7 (8)
Yunnan	117	52	7	26 (22)	1	10	21
South China region	784	258	47	123	47	48	243
Guangdong	485	154	27	68	29	36	170 (35)
Guangxi	136	61	10	33	4	10	17 (13)
Fujian	163	43	10	22 (13)	14	11	56
Central Asia region	100	55	4	24	neg	7	10
Tibet	10	4	neg	5	neg	1	neg
Xinjiang	74	45 (61)	3	13 (18)	neg	5	8 (11)
Qinghai	16	6	1	6	neg	1	2

Source: ZTN 1987, 158. Figures for enterprises, including local industry, *ibid.* 207.
Totals have been recalculated to include outputs from enterprises. Figures in brackets
are percentages.

TABLE 2.6 OUTPUTS OF AGRICULTURE; MAIN CROPS^ø, 1986. QUANTITIES; PERCENTAGES FOR GRAIN AND COTTON

	Grain crops - million tons_				Cotton		Oil crops (thou. tons)
	Totals	% of Chinese output	Rice	Wheat	Totals (thou. tons)	% of Chinese output	
China: Totals	392	100	172	90	3540	100	14738
North China region	89	23	11	45	1930	55	4126
Beijing	2		neg	1	2		31
Tianjin	2		neg	1	13		59
Hebei	20		8	8	511		618
Henan	25		2	16	399		990
Shandong	33		1	16	941		2076
Shanxi	7		neg	3	64		352
Central East region	75	19	45	17	662	19	3062
Shanghai	2		2	neg	22		149
Jiangsu	33		17	9	401		1168
Anhui	24		12	7	163		1316
Zhejiang	16		14	1	76		429
North East region	44	11	7	4	12	neg	894
Liaoning	12		3	neg	12		316
Jilin	14		2	neg	neg		388
Heilongjiang	18		2	4	neg		190
Mid Yangzi region	64	16	55	4	577	16	1607
Hubei	23		16	4	439		819
Hunan	26		25	neg	83		472
Jiangxi	15		14	neg	55		316
North West region	23	6	1	10	46	1	1322
Shaanxi	10		1	4	42		301
Gansu	6		neg	3	4		299
Ningxia	2		neg	1	neg		62
Inner Mongolia	5		neg	2	neg		660
South West region	55	14	27	7	98	3	2119
Sichuan	39		20	7	97		1590
Guizhou	7		3	neg	1		419
Yunnan	9		4	neg	neg		110
South China region	34	7	32	neg	neg	neg	1066
Guangdong	17		15	neg	neg		657
Guangxi	11		10	neg	neg		237
Fujian	6		7	neg	neg		172
Central Asia region	6	2	neg	4	216	6	541
Tibet	0.5		neg	neg	neg		12
Xinjiang	5		neg	3	216		426
Qinghai	1		neg	1	neg		104

ø No comparable figures for vegetables are available

Source: ZTN 1987, 172-3

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

	Mechanical power available (100 mill.watts)	Irrigated area (mill. mu)	Artificial fertiliser (mill.tons)	Rural use of electricity (100 mill.kwh)
China: Totals	2295	663	80	587
North China region	805	195	22	179
Beijing	35	5	} 1	18
Tianjin	36	5		11
Hebei	222	53		48
Henan	174	48		33
Shandong	253	68	7	51
Shanxi	85	16	2	18
Central East region	387	111	18	154
Shanghai	25	5	1	24
Jiangsu	181	53	8	71
Anhui	92	31	5	15
Zhejiang	89	22	4	44
North East region	241	47	6	63
Liaoning	94	12	3	34
Jilin	53	6	2	14
Heilongjiang	94	29	1	15
Mid Yangzi region	262	102	9	46
Hubei	100	33	4	18
Hunan	106	42	3	18
Jiangxi	56	27	2	10
North West region	172	50	4	40
Shaanxi	58	19	2	19
Gansu	46	12	1	12
Ningxia	14	4	neg	2
Inner Mongolia	54	15	1	7
South West region	171	64	10	42
Sichuan	101	41	7	31
Guizhou	22	8	1	3
Yunnan	48	15	2	8
South China region	206	63	9	55
Guangdong	104	29	4	31
Guangxi	56	20	3	9
Fujian	46	14	2	15
Central Asia region	53	45	1	8
Tibet	4	2	neg	neg
Xinjiang	40	41	1	7
Qinghai	9	2	neg	1

Source: ZTN 1987, 141, 147, 146, 145

TABLE 2.8 SELECTED CROPS; YIELDS PER MU, BY PROVINCE, 1986
JIN PER MU

	Grain [#]	Cotton	Peanuts	Sugar cane	Sugar beet
China: Totals	470	110	242	7048	2128
North China region					
Beijing	578	98	244	neg	2626
Tianjin	458	134	250	neg	neg
Hebei	384	96	186	neg	1272
Henan	362	86	188	4248	652
Shandong	512	124	322	neg	2014
Shanxi	310	92	224	neg	2798
Central East region					
Shanghai	706	88	neg	neg	neg
Jiangsu	686	108	358	6374	1450
Anhui	522	106	266	5002	348
Zhejiang	676	126	210	8160	neg
North East region					
Liaoning	536	86	184	neg	2262
Jilin	538	neg	176	neg	1870
Heilongjiang	324	neg	232	neg	1696
Mid Yangzi region					
Hubei	604	142	286	6762	neg
Hunan	674	130	188	7688	neg
Jiangxi	534	118	226	5900	neg
North West region					
Shaanxi	324	102	254	6718	1302
Gansu	266	94	322	neg	4418
Ningxia	312	neg	neg	neg	4274
Inner Mongolia	196	neg	252	neg	2830
South West region					
Sichuan	558	110	214	6278	1262
Guizhou	394	30	192	4958	5420
Yunnan	348	26	138	8028	1404
South China region					
Guangdong	514	neg	208	7060	neg
Guangxi	422	32	166	6394	neg
Fujian	528	neg	242	9186	neg
Central Asia region					
Tibet	318	neg	neg	neg	neg
Xinjiang	404	104	360	neg	3532
Qinghai	338	neg	neg	neg	8912

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

In this table, no distinction is made between "negligible" and "not stated".

Source: *ZTN 1987*, 176

TABLE 2.9 OUTPUTS OF INDUSTRY; MAIN PRODUCTS BY PROVINCE AND REGION; 1986 * 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 (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)	Timber (thou cu.m)	Wrist watches (mill)	Motor vehicles (thou)	Metal cutting machines (thou)	Plastics (thou tons)
China: Totals	894	131	4495	945	50.6	52.2	166.1	13956	164.7	9894	35683	1609	65024	73.2	370	164	1321
North China region	423	53	1226	26	13.5	11.5	43.1	3313	47.2	1871	10889	313	644	15.3	104	26	535
Beijing	9	neg	104	2	3.2	3.0	3.1	83	2.7	198	neg	26	62	1.2	58*	6	339*
Tianjin	neg	4	78	neg	0.9	1.5	1.1	41	4.4	976*	5901*	29	neg	5.0	22	3	107
Hebei	62	10	292	5	3.3	2.7	11.1	975	10.8	3	971	54	230	0.8	2	2	30
Henan	79*	9	232	13	3.3	2.0	9.1	803	10.1	197	1739	91	149	0.9	10	2	16
Shandong	51	30*	300	neg	1.9	1.4	13.5*	999	14.7*	497	2056	78	75	3.9	11	12	32
Shanxi	222*	neg	220	6	3.0	1.9	5.2	412	4.5	neg	182	35	128	3.5	1	1	11
Central East region	53	3	833	49	8.2	11.6	32.4	2825	56.7	4761	13579	508	2262	18.5	46	57	332
Shanghai	neg	neg	268	neg	4.3*	8.0*	2.3	242	15.1*	3132*	6348*	222*	neg	12.0*	15	17*	178*
Jiangsu	22	1	264	neg	1.1	1.1	13.3*	1224*	23.9*	838*	4190*	142*	20	4.7	22	18*	99
Anhui	30	2	153	10	2.5	2.0	6.8	761	6.5	155	1130	38	532	0.8	3	3	22
Zhejiang	1	neg	148	39	0.3	0.5	10.0	598	11.2	646	1911	106	1710	0.8	6	19*	33
North East region	131	67	713	119	11.8	11.9	19.5	1132	11.1	16	2688	151	25451	8.2	104	26	203
Liaoning	44	10	348	47	11.0*	10.8*	11.5	551	6.6	16	1982	91	854	6.7*	30*	21*	113*
Jilin	21	2	163	66*	0.4	0.4	3.4	260	2.0	neg	546	32	6857*	0.9	67*	2	36
Heilongjiang	66	55*	202	6	0.4	0.7	4.6	321	2.5	neg	160	34	17740*	0.6	7	3	54
Mid Yangzi region	57	1	479	241	6.8	7.3	21.1	1262	21.2	580	3250	204	7080	2.8	98	20	53
Hubei	8	1	234	147*	4.7*	5.4*	8.4	917	13.3*	212	1449	85	1196	0.9	91*	7	17
Hunan	30	neg	152	73	1.3	1.0	8.7	1026	4.8	260	1410	74	3033	0.2	2	5	25
Jiangxi	19	neg	93	21	0.8	0.9	4.0	242	3.1	108	391	45	2851	1.7	5	8	11
North West region	86	2	412	109	3.2	2.7	10.3	632	7.8	670	231	90	7715	1.8	1	6	93
Shaanxi	29*	neg	125	7	0.3	0.4	4.4	281	7.1	667	162	60	794	1.8	1	2	9
Gansu	12	2	146	92*	0.8	0.4	3.1	193	0.6	3	7	21	586	neg	neg	1	78
Ningxia	12	neg	31	10	neg	neg	0.7	76	0.1	neg	neg	9	65	neg	neg	2	3
Inner Mongolia	33	neg	111	neg	2.1	1.9	2.1	102	0.1	neg	62	9	6270*	neg	neg	1	3
South West region	100	neg	405	204	5.3	5.2	16.7	2407	10.8	109	1259	120	8566	1.9	14	13	41
Sichuan	57	neg	237	111*	3.7	4.3*	10.9	1442*	8.2	52	884	92	4253	1.7	10	9	28
Guizhou	26	neg	83	43	0.8	0.3	2.4	350	0.9	neg	neg	6	900	0.1	neg	1	4
Yunnan	17	neg	85	50	0.8	0.6	3.4	635	1.7	57	375	22	3413	0.1	4	3	9
South China region	23	neg	367	182	1.5	1.5	20.6	1304	6.6	1888	3725	199	12522	24.2	13	16	63
Guangdong	9	neg	190	70	0.7	0.8	12.8	643	2.9	1600*	867	90	3494	23.6	6	9	9
Guangxi	7	neg	91	61	0.4	0.4	4.6	332	1.8	115	867	46	2925	0.2	6	5	9
Fujian	7	neg	86	51	0.4	0.3	3.2	329	1.9	173	644	63	6103*	0.4	1	2	45
Central Asia region	20	6	61	11	2.6	0.4	2.5	139	2.6	neg	6	18	785	neg	2	2	neg
Tibet	neg	neg	3	1	neg	neg	neg	neg	neg	neg	neg	neg	257	neg	neg	neg	neg
Xinjiang	17	6	43	9	2.6	0.2	2.0	105	2.4	neg	6	10	421	neg	neg	1	neg
Qinghai	3	neg	15	1	neg	0.2	0.5	34	0.2	neg	neg	8	107	neg	2	1	neg

TABLE 2.10 CHINA : VOLUME OF FREIGHT TRAFFIC BY PROVINCE (THOU. MILL. TON-KM)

	Totals	Kinds of freight			Thousand ton-km per sq.km.
		Rail	Road	Water	
China: Totals	1757	876	37	844*	183
North China region	326				472
Beijing	22	21	1	neg	1375
Tianjin	21	20	1	neg	2100
Hebei	112	109	3	4	589
Henan	84	81	2	1	503
Shandong	51	45	4	2	333
Shanxi	36	34	2	neg	231
Central East region	121				544
Shanghai	7	4	1	2	1167
Jiangsu	45	26	2	17	450
Anhui	43	36	2	5	307
Zhejiang	26	14	2	10	260
North East region	188				230
Liaoning	91	86	2	3	623
Jilin	35	34	1	neg	172
Heilongjiang	62	61	1	neg	132
Mid Yangzi region	116				206
Hubei	45	34	2	9	241
Hunan	50	44	1	5	238
Jiangxi	21	18	1	2	127
North West region	106				55
Shaanxi	27	26	1	neg	131
Gansu	29	28	1	neg	64
Ningxia	5	5	neg	neg	71
Inner Mongolia	45	44	1	neg	37
South West region	63				56
Sichuan	38	31	3	4	67
Guizhou	16	15	1	neg	89
Yunnan	9	7	2	neg	23
South China region	61				107
Guangdong	20	13	1	6	95
Guangxi	28	24	1	3	119
Fujian	13	9	1	3	108
Central Asia region	9				3
Tibet	neg	n/s	neg	neg	n/s
Xinjiang	9	8	1	neg	6
Qinghai	2	2	neg	neg	3

* About one-half of all water transportation cannot be allocated to provinces - 769 thou.mill. ton-km, omitted from the table.

Source: ZTN 1987, 417

TABLE 3.1 CHINESE CITIES OF MORE THAN 500,000 POPULATION; POPULATION TOTALS, BY REGIONS, 1986
(THOUSANDS OF PERSONS)

These figures exclude total populations of rural counties attached to cities, and all farm populations. Fifty-four cities are named in all, with total population of 72 millions.

North (total - 19120)	Beijing	5220	Tangshan	960
	Tianjin	4240	Shijiazhuang	960
	Taiyuan	1440	Handan	770
	Jinan	1190	Zibo	750
	Qingdao	1180	Datong	720
	Zhengzhou	1020	Luoyang	670
North East (total - 17160)	Shenyang	3340	Qiqihar	1000
	Harbin	2290	Jilin	940
	Changchun	1510	Yichun	770
	Dalian	1420	Benxi	710
	Fushun	1130	Jixi	640
	Anshan	1120	Jinzhou	630
			Fuxin	590
			Daqing	560
			Mudanjiang	510
Central East (total - 13920)	Shanghai	6990	Wuxi	720
	Nanjing	1920	Hefei	650
	Hangzhou	1030	Suzhou	630
	Xuzhou	840	Huainan	630
			Ningbo	510
South West (total - 5730)	Chongqing	2130	Kunming	1110
	Chengdu	1570	Guiyang	920
Mid Yangzi (total - 4960)	Wuhan	3020	Nanchang	940
	Changsha	1000		
North West (total - 4900)	Xian	1780	Baotou	910
	Lanzhou	1100	Hohhot	590
			Xining	520
South (total - 5130)	Guangzhou	2650	Nanning	630
	Fuzhou	810	Liuzhou	540
			Shantou	500
Central Asia	Urumqi	960		

Source: ZTN 1987, 93

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 capital (100 mill. yuan)	Gross output value (100 mill. yuan)	% 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	
	5550	9190	96.6	175	55	1430	3701	4165	2124	279	5811	29	29290	4200	
	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	
	3230	4180	71.0	84	49	880	1342	1306	1000	121	2221	17	13280	2020	
	3120	5610	27.9	71	36	680	2851	1287	902	169	3048	14	10760	1260	
Chongqing	2650	6510	46.2	59	55	770	3729	2104	2267	77	1413	15	6620	2870	
	2550	2550	30.0	42	54	660	111	916	49	115	1920	14	7140	1120	
	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	
	2130	3740	28.2	54	62	530	2217	730	595	92	1446	9	9390	1330	
	1750	2200	36.0	35	70	438	635	819	189	62	956	13	5680	1000	
Changchun	1740	5750	15.2	29	58	420	6085	1775	1087	67	1203	9	5740	700	
	1480	4720	20.8	45	64	470	2305	2023	1121	59	1122	8	5110	840	
	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	
	1180	4260	16.1	44	35	n/a	2010	1653	722	39	946	6	4670	910	

∅ This figure appears in SYC 1981, 27-87

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

Source: ZTW 1983, 35-102. Materials to update this table do not appear in ZTW 1987.

TABLE 3.3 STATISTICS FOR FOURTEEN COASTAL CITIES[#]

	Population (thou.)		Total workforce (thou.)	Industry			
	Urban area	Total area		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	116	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	5	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. Materials which could be used to update this table are lacking in the Yearbooks.

Source: *Guangming Daily*, 11 June 1984, 2

TABLE 4.1 "TOTAL PRODUCT OF SOCIETY", AND RELATED LABOUR INPUTS, 1986

	"Total product of society" (thou.mill <u>yuan</u>)	Labour input by sectors (mill)	"Total product" per worker (<u>yuan</u>)
Total	1896	463	4095
Agriculture	401	313	1281
Industry	1119	90	12433
Construction	204	23	8870
Transport	53	13	4076
Commerce	118	24	49167

Source: ZTN 1987, 36, 115

"Total product of society" is the sum of gross outputs in the 5 material kinds of production specified.

TABLE 4.2 LABOUR FORCE BY KIND OF EMPLOYMENT AND BY SECTORS OF THE ECONOMY. MILLIONS OF WORKERS;
PERCENTAGES; 1986. FIGURES IN BRACKETS ARE PERCENTAGES AS OF 1982

	Totals	% ages	Workers in state owned units	% ages	Workers in urban collectively owned units	% ages	Rural workers	% ages
Totals	513		93		34		380	
Industry	90	18(13)	40	43(41)	18	53(58)	31	8 (3)
Construction	23	4 (3)	6	6 (8)	4	12(11)	13	3 (1)
Agriculture, forestry, herding	313	61(72)	8	9 (9)	0.5	2 (2)	305	80(94)
Transport, communications	13	3 (2)	6	6 (6)	2	6 (8)	5	1(0.3)
Commerce, catering	25	5 (4)	9	10(14)	8	24(14)	5	1(0.4)
Education, health, finance	27	5 (4)	17	18(14)	1	3 (4)	6	2 (1)
Official bodies	9	2 (1)	7	8 (7)	neg	neg(0.5)	1	0.3(0.1)
Others	13	3 (1)	neg	neg	neg	neg (2)	13	3(0.7)

Sources: *ZTN 1987*; 115; for 1982, *ZTN 1983*, 121

Individual workers remained relatively few in 1986 - 4.8 millions in all, of whom 3.3 millions worked in commerce and catering.

TABLE 4.3 CHINA : LOCAL INDUSTRY. KINDS OF INDUSTRY, EMPLOYMENT : 1986
(THOUSANDS)

	Township level		Village level and below	
	Number of enterprises	Employment	Number of enterprises	Employment
Totals	230	13406	629	15557
Light industry	120	5937	372	7020
Heavy industry	110	7469	257	8537
Coal	7	761	125	531
Mining : metals	2	189	38	124
Building materials	49	3899	154	4938
Metal industries	19	270	29	1002
Food industries	36	861	199	1116
Machinery	21	1252	35	1167
Textiles	19	1968	20	1564
Chemicals	7	338	6	296
Plastics	6	355	15	574

Source: *ZTN 1987*, 265, 266