2018 Shanghai 上海 Statistical Yearbook 统计年鉴

上海市统计局
国家统计局上海调查总队
SHANGHAI MUNICIPAL STATISTICS BUREAU
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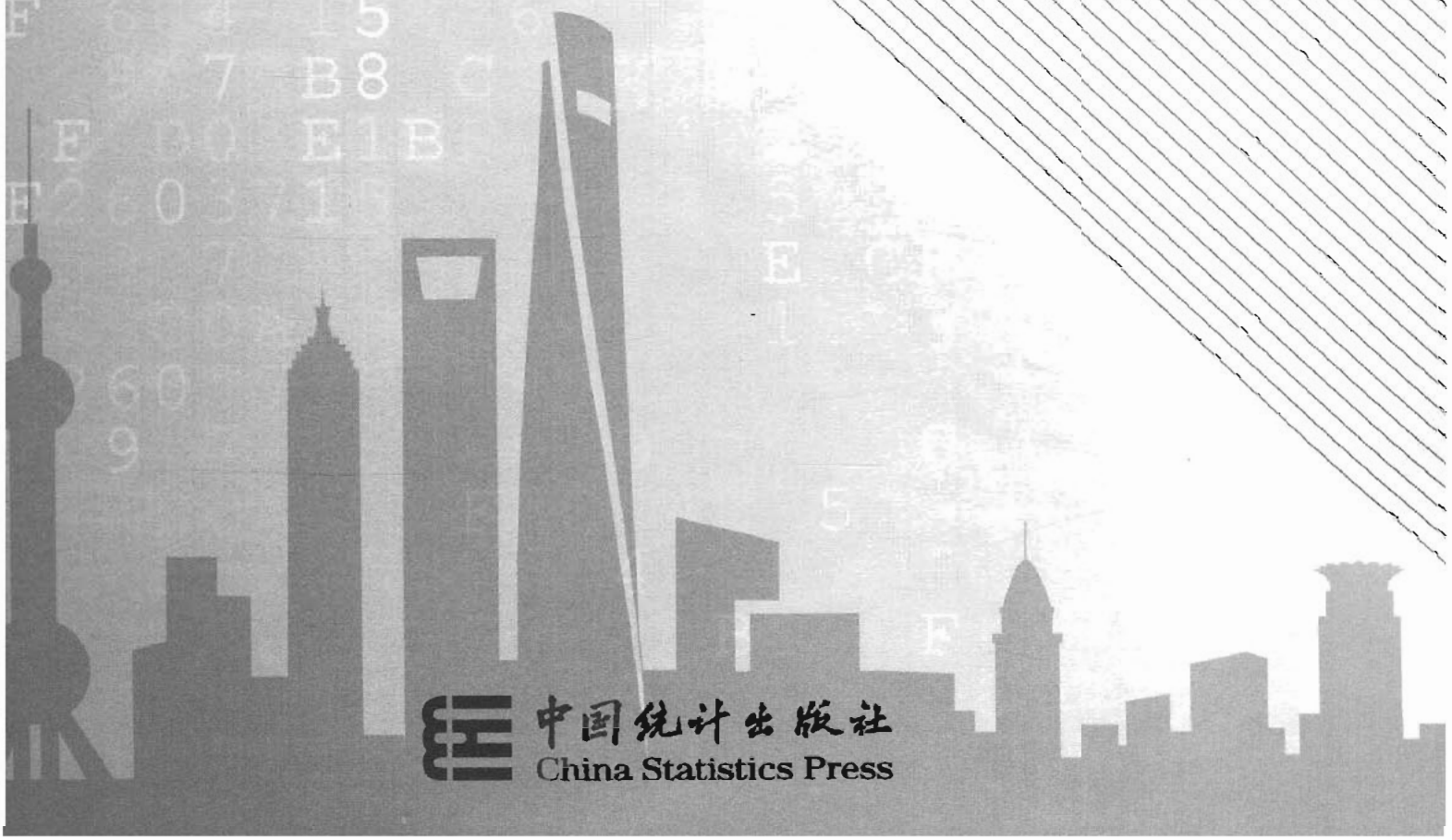

中国统计出版社
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第十二篇

CHAPTER 12

农　业

AGRICULTURE

简要说明

一、本篇资料的主要内容

本篇资料反映本市农业生产和农村经济的基本情况，内容主要包括农林牧渔业产值、农村户数和人口、农作物播种面积、主要农产品产量、农业机械拥有量、农业技术应用等方面的统计资料。

二、本篇资料的统计范围

农业统计范围为上海市，包括闵行区、宝山区、嘉定区、松江区、金山区、青浦区、奉贤区、崇明区和浦东新区（农村）行政区域范围内所有建制乡镇、行政村和涉农街道、居委会辖区内的生产经营单位和农户；上海光明食品（集团）、上海水产（集团）总公司、青东农场、前卫农场、上实现代农业园区以及其他中央属、市属和军委系统的农业生产（经营）活动单位。

1. 种植业：指对各种农作物的种植活动。包括谷物、豆类、薯类、棉花、油料、糖料、麻类、烟叶、蔬菜、园艺作物、水果、坚果、饮料和香料作物、中草药及其他作物的种植。

2. 林业：包括林木的栽培（不包括茶园、桑园和果园的栽培、管理和收获等活动），木材和竹材的采运，林产品的采集。

3. 牧业：包括牲畜饲养和放牧，家禽饲养以及野生动物的捕猎和饲养。

4. 渔业：包括水生动物和海藻类植物的养殖和捕捞。

5. 农林牧渔服务业：指对种植业、林业、牧业、渔业生产活动进行的各种支持性服务。但不包括各种科学技术和专业性技术服务活动。

农村社会经济统计范围包括除城关镇以外所有乡镇的社会经济活动。

三、本篇的资料来源及统计调查方法

主要由国家统计局上海调查总队根据《农村统计报表制度》的有关资料整理提供。

《农村统计报表制度》包括三部分内容：

一是农林牧渔业统计调查。包括农作物播种面积、主要农作物产量、农产量抽样调查等内容，调查方法由统计部门确定。其中，水果、林业、渔业、农业机械和部分畜牧业数据来源为农委相关部门，调查方法由资料来源相关部门确定。

二是农业产值综合统计。包括农业总产值、农林牧渔业中间消耗等内容，调查方法由统计部门确定。

三是农村社会经济基本情况统计。包括乡镇社会经济基本情况、行政村基本情况等内容。上海参照国家统计局《县域社会经济基本情况统计报表制度》充实部分指标进行调查。

BRIEF INTRODUCTION

I. Main Contents

The data in this chapter reflect the basic conditions of agricultural production and rural economy in Shanghai. The main contents include output of agriculture, forestry, animal husbandry and fishery, number of rural households, rural population, sown area of farm crops, output of major agricultural products, agricultural products export, investment in facilities of water conservancy, electricity consumption in rural areas, ownership of agricultural machinery, application and comprehensive development of rural technology.

II. Scope and Coverage of Statistics

Data on agriculture cover the whole Shanghai Municipality including Minhang, Baoshan, Jiading, Songjiang, Jinshan, Qingpu, Fengxian, Chongming districts, and Pudong New Area (rural area). Included in agriculture statistics are production activities in agriculture by rural production units and by rural households; production activities of farms in counties, villages and rural communities; production activities in agriculture undertaken by Shanghai Bright Food (Group), Shanghai Fisheries (Group) Corporation, the Qingdong Farm, the Qianwei Farm, SIIC Modern Agriculture Park and agricultural production units owned by the central government, municipal government and military agencies.

(1) Agriculture: it refers to cultivation of farm crops, including cereals, beans, tuber crops, cotton, oil-bearing crops, sugar crops, hemp, tobacco leaves, vegetables, gardening plants, fruits, nuts, crops for beverages and spices, medicinal herbs and other farm crops.

(2) Forestry: it includes the planting of trees (excluding activities of planting, managing and harvesting of tea, mulberry fields and fruits), cutting and transport of timber and bamboo and collection of forest products.

(3) Animal husbandry: it includes the raising and grazing of domestic animals and poultry, and the hunting and raising of wild animals.

(4) Fishery: it includes cultivation and catching of aquatic animals and seaweed.

(5) Services in support of agriculture, forestry, animal husbandry and fishery: they include supporting services to production activities in agriculture, forestry, animal husbandry and fishery but do not include activities of science and technology and professional services.

Rural social and economic statistics cover social and economic activities in all townships except towns, where county governments are located.

III. Data Sources and Survey Methodology

Data in this chapter are provided by the Survey Office of the National Bureau of Statistics in Shanghai using data from the Statistical Survey System on Rural Areas.

Statistical Survey System on Rural Areas consists of three parts:

First, it includes statistics on agriculture, forestry, animal husbandry and fishery, including agricultural production area, main crop output and sampling survey of agricultural products, whose survey methodologies are determined by the statistics department. Fruit, forestry, fishery, agricultural machinery and part of animal husbandry data are provided by Shanghai Municipal Agriculture Commission, and survey methodologies are determined by relevant providers of the data.

Second, it includes comprehensive statistics on value of agricultural output, including output of agriculture, intermediate consumption of agriculture, forestry, animal husbandry, and fishery, Survey methodologies are determined by the statistics department.

Third, it includes comprehensive statistics on rural areas. The data include basic conditions of social and economic activities at county, township and rural administrations, and municipal agricultural zones. Data are provided according to Statistical Reporting System on the Basic Condition of Social and Economic Activities of Counties with additional standards supplemented by Shanghai authorities.

表 12.1 农业总产值(1978 ~2017)
GROSS OUTPUT VALUE OF AGRICULTURE

单位:亿元(100millionyuan)

年 份 Year	农业总产值 Gross Output Value of Agriculture	其 中 ofwhich				
		种植业 Planting	林 业 Forestry	牧 业 Husbandry	渔 业 Fishery	农林牧渔服务业 Service Industry for Agriculture
1978	18.26	13.49	0.06	3.67	0.86	
1979	20.41	15.10	0.04	4.22	0.90	
1980	18.90	11.40	0.06	6.27	0.97	
1981	20.33	11.91	0.21	6.38	1.23	
1982	23.97	13.80	0.23	7.81	1.56	
1983	22.68	12.59	0.20	7.80	1.29	
1984	26.59	16.41	0.21	8.06	1.40	
1985	31.38	15.63	0.21	12.25	2.82	
1986	33.76	16.83	0.24	12.75	3.45	
1987	38.84	17.69	0.34	15.48	4.79	
1988	53.07	22.47	0.45	22.18	7.43	
1989	60.63	25.53	0.39	26.41	7.88	
1990	68.16	29.09	0.37	30.25	8.04	
1991	73.65	30.51	0.39	33.38	8.97	
1992	80.01	32.80	0.43	37.19	9.18	
1993	96.20	40.52	0.41	42.95	12.31	
1994	140.24	60.19	0.49	62.04	17.52	
1995	182.47	77.71	0.45	81.48	22.83	
1996	200.95	87.64	0.67	85.46	27.18	
1997	204.41	85.20	0.47	88.37	30.37	
1998	206.75	89.10	0.84	87.27	29.54	
1999	206.90	87.86	0.98	86.35	31.71	
2000	216.50	89.81	1.41	87.35	37.92	
2001	227.61	95.53	3.52	88.43	40.13	
2002	233.57	97.21	7.75	83.48	45.13	
2003	247.29	98.17	13.05	81.13	49.21	5.73
2004	248.89	109.32	13.14	70.77	49.90	5.76
2005	233.39	111.25	11.11	54.34	51.64	5.05
2006	237.01	119.99	10.43	46.29	55.25	5.05
2007	255.98	126.74	10.05	58.00	54.19	7.00
2008	280.35	137.52	9.12	68.40	57.11	8.20
2009	283.15	147.53	8.99	64.61	53.53	8.49
2010	287.03	155.27	7.53	62.90	52.62	8.71
2011	314.58	165.07	7.62	77.44	54.72	9.73
2012	321.73	171.48	9.55	72.59	57.45	10.66
2013	323.48	172.28	9.65	69.97	59.89	11.69
2014	322.22	169.51	8.78	69.93	62.50	11.50
2015	302.62	162.04	12.15	65.61	51.79	11.03
2016	285.09	148.53	13.20	62.62	50.16	10.57
2017	261.59	141.18	14.94	40.86	53.27	11.34

注:2003 年以前,农业总产值不包括农林牧渔服务业。

Note: The Gross Output Value of Agriculture did not include the output value of service industry for planting, forestry, animal husbandary and fishery before 2003.

表 12.2 农业总产值指数(以 1978 年为 100，1978～2017)
GROSS OUTPUT VALUE INDEX OF AGRICULTURE (1978 = 100)

年份 Year	农业总产值指数 Index of Gross Output Value of Agriculture	其中 ofwhich				
		种植业 Planting	林业 Forestry	牧业 Animal Husbandry	渔业 Fishery	农林牧渔服务业 Service Industry for Agriculture
1978	100.0	100.0	100.0	100.0	100.0	
1979	101.4	92.9	121.9	128.1	101.6	
1980	92.1	78.6	152.9	115.8	104.1	
1981	100.0	83.9	144.0	140.2	97.3	
1982	117.4	97.4	161.1	170.1	107.3	
1983	109.9	86.0	116.1	167.3	123.6	
1984	124.5	109.0	98.4	167.5	114.7	
1985	113.0	88.2	107.2	181.4	127.6	
1986	119.7	89.5	134.5	201.2	149.5	
1987	122.5	90.6	138.9	206.7	158.1	
1988	130.3	95.3	166.0	227.0	160.0	
1989	132.0	92.3	134.9	245.6	171.8	
1990	139.5	96.3	139.7	271.2	164.3	
1991	146.2	95.6	153.7	299.0	172.7	
1992	154.7	101.3	144.0	322.9	168.8	
1993	147.9	94.1	129.4	313.8	166.8	
1994	159.4	96.0	130.5	336.7	215.0	
1995	177.0	104.0	125.2	363.0	252.4	
1996	191.6	114.5	168.6	389.1	269.6	
1997	202.5	123.1	133.0	404.3	288.4	
1998	207.3	129.4	185.2	412.1	278.6	
1999	212.6	133.2	258.3	418.0	289.2	
2000	220.9	141.2	414.9	414.6	321.9	
2001	236.5	145.2	629.7	433.7	392.0	
2002	243.6	145.7	1 546.0	416.4	442.6	100.0
2003	246.3	135.3	2 062.4	395.5	544.4	102.6
2004	229.6	144.0	2 070.6	306.5	526.4	103.2
2005	205.5	136.7	1 613.0	221.6	555.4	91.4
2006	206.9	141.1	1 514.6	205.0	587.6	90.3
2007	210.0	142.9	1 458.6	214.2	573.5	121.6
2008	210.2	147.2	1 185.8	223.6	520.2	134.6
2009	209.1	145.1	1 147.9	238.6	481.7	140.0
2010	198.4	138.3	960.8	231.9	443.2	139.2
2011	197.2	139.1	914.7	237.2	407.3	147.8
2012	198.2	139.7	1 032.7	233.2	411.0	157.6
2013	192.5	186.0	1 075.0	220.6	400.7	169.1
2014	193.1	187.9	1 001.9	220.8	400.7	161.8
2015	180.2	177.6	1 217.3	199.8	359.0	150.5
2016	163.6	160.4	133.9	177.6	323.8	138.0
2017	151.4	155.8	149.5	126.8	316.3	145.5

注：根据国家统计局方法制度规定，从 2006 年起，农业总产值指数按可比价计算，2006 年以前按不变价计算。

Note: According to the regulation of National Bureau of Statistics, since 2006, index of gross output value of agriculture has been calculated by comparable price, and before 2006, it was calculated by constant price.

表 12.3 主要年份农村户数、人口和从业人员
RURAL HOUSEHOLDS, POPULATION AND EMPLOYEES IN MAIN YEARS

指 标 Indicators		2000	2010	2016	2017
户 数(万户)	**Households (10 000 households)**	**115.17**	**114.22**	**99.13**	**100.22**
人 口(万人)	**Population (10 000 persons)**	**360.71**	**305.68**	**256.67**	**253.58**
农村从业人员(万人)	**Rural Employees(10 000 persons)**	**253.45**	**188.70**	**158.26**	**154.83**
第一产业	Primary Industry	81.45	34.06	37.50	34.62
第二产业	Secondary Industry	119.89	109.84	90.43	90.52
第三产业	Tertiary Industry	52.11	44.80	27.83	29.69

注：根据国家统计制度规定，本表中 2010－2012 年第一产业从业人员中包括农林牧渔服务业从业人员；从 2013 年起，农林牧渔服务业从业人员从第一产业中划出，归入第三产业。

Note: According to the provisions of the national statistical system, the first industry employees of 2010－2012 in this table contained the employees in the service industries of farming, forestry, animal husbandry and fishery. Since 2013, employees in the service industries of farming, forestry, animal husbandry and fishery are separated from first industry and merged into third industry.

表 12.4 主要年份农作物总播种面积
TOTAL SOWN AREA OF PLANTING IN MAIN YEARS

年 份 Year	总播种面积（万公顷） Total Sown Area (10 000 hectare)	粮食作物 Grain Crops		经济作物 Cash Crops	
		播种面积 Sown Area	占总播种面积(%) Percentage (%)	播种面积 Sown Area	占总播种面积(%) Percentage (%)
1990	63.11	41.71	66.1	21.40	33.9
1995	54.22	34.40	63.5	19.82	36.5
1996	57.01	35.38	62.1	21.63	37.9
1997	55.23	36.58	66.2	18.65	33.8
1998	55.64	35.25	63.4	20.39	36.6
1999	55.17	33.50	60.7	21.67	39.3
2000	52.15	25.88	49.6	26.27	50.4
2001	49.09	21.12	43.0	27.97	57.0
2002	47.67	18.77	39.4	28.90	60.6
2003	41.92	14.83	35.4	27.09	64.6
2004	40.44	15.47	38.3	24.97	61.7
2005	40.36	16.61	41.1	23.75	58.9
2006	40.14	16.55	41.2	23.59	58.8
2007	39.07	16.96	43.4	22.11	56.6
2008	38.84	17.45	44.9	21.39	55.1
2009	39.61	19.33	48.8	20.28	51.2
2010	40.12	17.92	44.7	22.20	55.3
2011	40.06	18.63	46.5	21.43	53.5
2012	39.00	18.76	48.1	20.24	51.9
2013	37.81	16.85	44.6	20.96	55.4
2014	35.89	16.49	45.9	19.40	54.1
2015	34.16	16.19	47.4	17.97	52.6
2016	29.63	14.01	47.3	15.62	52.7
2017	27.94	11.87	42.5	16.07	57.5

表 12.5 主要年份农产品产量
OUTPUT OF MAJOR FARM PRODUCTS IN MAIN YEARS

指标 Indicators		2000	2010	2016	2017
农产品	**Farm Products**				
粮 食(万吨)(包括大豆)	Grain (10 000 tons) (Including Soybean)	174.00	118.40	99.55	89.16
棉 花(万吨)	Cotton (10 000 tons)	0.12	0.35	0.03	0.02
油 料(万吨)	Oil Plants (10 000 tons)	16.37	2.29	0.90	0.64
〃油菜籽	Rapeseed	15.71	2.04	0.69	0.44
蔬 菜(万吨)	Vegetables (10 000 tons)	377.00	380.35	319.97	310.63
食用菌(万吨)	Edible Fungus(10 000 tons)	8.75	8.73	14.26	11.61
西甜瓜(万吨)	Watermelons and Muskmelons (10 000 tons)	49.88	55.44	19.80	19.61
园林水果(万吨)	Garden Fruits (10 000 tons)	22.54	44.16	28.80	29.77
〃生 梨	Pear	1.74	3.84	3.03	3.22
柑 橘	Citrus Fruits	10.18	20.16	12.44	11.24
畜禽产品	**Livestock and Poultry**				
生猪出栏量(万头)	Quantity of Sold Hogs(10 000 heads)	471.46	265.98	171.11	111.72
生猪年末圈存量(万头)	Hogs In Pens By Year-end (10 000 heads)	241.60	171.87	100.06	60.63
奶牛年末头数(万头)	Cows In Pens By Year-end (10 000 heads)	5.83	6.72	5.14	3.77
羊年末头数(万头)	Sheep In Pens By Year-end (10 000 heads)	55.44	24.46	25.64	19.56
猪 肉(万吨)	Pork (10 000 tons)	25.96	17.87	13.54	8.65
牛羊肉(万吨)	Beef and Mutton (10 000 tons)	0.79	0.54	0.56	0.43
家禽出栏量(万羽)	Quantity of Poultry Sold Birds (10 000 fowls)	17 213	4 084	1 713	1 252
生牛奶(万吨)	Raw Milk (10 000 tons)	25.95	24.71	26.04	21.30
禽 蛋(万吨)	Poultry Eggs (10 000 tons)	16.64	6.28	3.50	2.75
水产品	**Aquatic Products**				
海水产品(万吨)	Seawater Aquatic Products (10 000 tons)	12.23	12.15	14.29	14.52
淡水产品(万吨)	Freshwater Aquatic Products (10 000 tons)	16.64	16.82	11.79	8.62

表 12.6 农牧业特色种养产品产量(2016～2017)
OUTPUT OF SPECIAL PRODUCTS IN FARMING AND ANIMAL HUSBANDRY

指标 Indicators		2016	2017	指标 Indicators		2016	2017
桃(万吨)	Peach (10 000 tons)	4.29	6.61	野 鸡(万只)	Pheasant(10 000 fowls)	16.15	5.10
葡 萄(万吨)	Grape (10 000 tons)	8.38	7.84	野 鸭(万只)	Mallard(10 000 fowls)	64.48	50.27
草 莓(万吨)	Strawberry (10 000 tons)	1.94	2.12	肉 鸽(万只)	Meat Dove(10 000 fowls)	1 166.57	629
枣(吨)	Date(ton)	392	301	鳖(吨)	Soft-shelled Turtle(ton)	360	464
弥猴桃(吨)	Kiwi (ton)	1 190	1 462	中华绒毛蟹(万吨)	Chinese Hairy Crab(10 000 tons)	0.93	0.79

表 12.7 主要农副产品产量与建国以来最高年产量的比较 (2017)
OUTPUT OF MAJOR FARM AND SIDELINE PRODUCTS IN COMPARISON WITH THE PEAK YEAR SINCE 1949

指标 Indicators		2017	建国以来最高年 Peak Year Since 1949		2017年为建国以来最高年份(%) 2017/Peak Year Since 1949
			年份 Year	产量 Output	
农产品	**Farm products**				
粮 食(万吨)	Grain (10 000 tons)	89.16	1978	260.88	34.18
油菜籽(万吨)	Rapeseed (10 000 tons)	0.44	1992	21.84	2.01
蔬 菜(万吨)	Vegetables (10 000 tons)	310.63	2002	476.60	65.18
西甜瓜(万吨)	Watermelons and Muskmelons (10 000 tons)	19.61	2003	76.50	25.63
园林水果(万吨)	Garden Fruits (10 000 tons)	29.77	2008	46.12	64.55
畜禽产品	**Animal Husbandry Products**				
猪年末圈存数(万头)	Quantity of Hogs in Pens (year-end) (10 000 heads)	60.63	1978	365.74	16.58
猪 肉(万吨)	Pork (10 000 tons)	8.65	2001	26.40	32.77
奶牛年末头数(万头)	Quantity of Milk Cow (year-end) (10 000 heads)	3.77	1991	7.31	51.57
生牛奶(万吨)	Raw Milk (10 000 tons)	21.30	2002	27.98	76.13
家禽出栏量(万只)	Quantity of Poultry Sold(10 000 fowls)	1 252	1997	17 851	7.01
禽 蛋(万吨)	Poultry Eggs (10 000 tons)	2.75	2001	16.87	16.30
水产品	**Aquatic Products**				
海水产品(万吨)	Seawater Aquatic Products (10 000 tons)	14.52	2006	19.44	74.69
淡水产品(万吨)	Freshwater Aquatic Products (10 000 tons)	8.62	2003	22.13	38.95

注：建国以来最高年年份和产量均是指2016及以前的年份和产量，不包括2017年在内。
Note: Peak year and output of peak year since 1949 refer to the years before 2016, excluding 2017.

表 12.8 主要年份农业商品产值和商品率
OUTPUT VALUE OF AGRICULTURAL COMMODITY AND COMMODITY RATE IN MAIN YEARS

指标 Indicators		2000	2010	2016	2017
农业商品产值(亿元)	Output Value of Agricultural Commodity (100 million yuan)	179.79	236.15	239.44	219.36
#种植业	Planting	61.84	120.22	122.44	120.67
#粮食作物	Grain Crops	10.15	16.43	16.74	19.51
牧 业	Animal Husbandry	80.75	58.01	57.31	36.68
#生 猪	Hogs	29.82	30.38	34.35	18.49
家 禽	Poultry	33.41	8.95	4.01	2.83
禽 蛋	Eggs	7.94	5.10	3.20	2.40
渔 业	Fishery	36.53	50.42	48.49	50.84
#淡水产品	Freshwater Aquatic Products	25.14	36.62	30.78	30.00
农业商品率(%)	Agricultural Commodity Rate (%)	83.0	82.3	84.0	83.9
#种植业	Planting	68.8	77.4	82.4	85.5
#粮食作物	Grain Crops	45.4	53.8	57.9	74.9
牧 业	Animal Husbandry	92.4	92.2	91.5	89.8
#生 猪	Hogs	95.8	94.7	94.2	91.9
家 禽	Poultry	91.9	86.5	83.2	84.0
禽 蛋	Poultry Eggs	82.3	93.3	95.4	95.8
渔 业	Fishery	96.3	95.8	96.7	95.4
#淡水产品	Freshwater Aquatic Products	95.9	95.0	95.6	93.1

表 12.9 农民专业合作社组织情况(2014～2017)
ORGANIZATION OF FARMER PROFESSIONAL COOPERATIVES

指标 Indicators		2014	2015	2016	2017
农民专业合作社总数(个)	Total Number of Farmer Professional Cooperatives (unit)	3 192	3 216	3 202	2 813
种植业	Planting	2 160	2 246	2 258	1 963
畜牧业	Animal Husbandry	254	176	145	123
渔 业	Fishery	403	380	353	332
林 业	Forestry	82	82	103	93
服务业	Service	172	194	202	168
手工业	Handicraft	4		4	3
其 他	Others	117	138	137	131
成员总数(人)	Total Members(person)	68 164	64 561	64 421	62 966
带动非成员农户数(户)	Affected Non-member Peasant Households(household)	122 169	122 809	122 848	144 200

表 12.10 主要年份农业机械拥有量
POSSESSION OF AGRICULTURAL MACHINERY IN MAIN YEARS

机械名称 Name of Machinery		2000	2010	2016	2017
农业机械总动力（万千瓦）	**Total Power of Agricultural Machinery (10 000 kw)**	**142.50**	**104.15**	**122.31**	**121.84**
耕作机械动力合计（万千瓦）	Total Power of Farming Machinery (10 000 kw)	37.60	29.54	37.77	38.56
#大、中型拖拉机（台）	Large and Medium Tractors (set)	7 844	5 796	7 720	7 728
（万千瓦）	(10 000 kw)	29.30	24.21	35.30	36.36
小型拖拉机（台）	Small Tractors (set)	9 253	5 788	2 766	2 317
（万千瓦）	(10 000 kw)	8.30	5.34	2.47	2.21
排灌机械动力合计（万千瓦）	Total Power of Drainage and Irrigation Machinery (10 000 kw)	25.92	21.80	27.30	25.17
收获机械动力合计（万千瓦）	Total Power of Harvest Machinery (10 000 kw)	33.30	12.19	16.82	16.26
#大、联合收割机（台）	Combined Harvesters (set)	4 991	2 230	2 654	2 240
（万千瓦）	(10 000 kw)	2.70	8.52	14.01	12.80
植物保护机械动力合计（万千瓦）	Total Power of Plant Protecting Machine (10 000 kw)	3.07	5.34	5.40	5.47
#机动喷雾器（万台）	Motorized Nebulizers (10 000 sets)	2.07	2.11	2.25	2.13
（万千瓦）	(10 000 kw)	3.07	4.72	5.15	5.08
渔业机械动力合计（万千瓦）	Total Power of Fishery Machinery (10 000 kw)	23.40	23.23	25.18	24.25
#机动渔船（艘）	Motorized Fishing Boats (ship)	2 905	1 788	941	871
（万千瓦）	(10 000 kw)	20.50	18.74	17.84	17.19
其他农业机械动力合计（万千瓦）	Total Power of Other Agricultural Machine (10 000 kw)	11.13	11.05	9.84	12.13

表 12.11 主要年份农业技术应用和综合开发情况
TECHNOLOGY APPLICATIONS AND INTEGRATIVE EXPLOITATION IN AGRICULTURE IN MAIN YEARS

指 标 Indicators		2000	2010	2016	2017
机耕面积（万公顷）	Areas of Motorized Cultivation (10 000 hectares)	23.46	39.47	29.57	28.07
机电排灌总控制面积（万公顷）	Total Area with Motorized Drainage and Irrigation Facilities (10 000 hectares)	28.59	17.61	18.68	18.82
粮食机种面积（万公顷）	Areas of Motorized Planting (10 000 hectares)	6.08	5.30	6.90	7.71
占粮食播种面积（%）	Percentage in Total Planting Area of Grain (%)	23.5	29.6	49.2	65.0
粮食机收面积（万公顷）	Areas of Motorized Harvesting (10 000 hectares)	16.42	16.57	13.40	11.82
占粮食收获面积（%）	Percentage in Total Harvesting Area of Grain (%)	63.4	92.5	95.6	99.6
喷、滴管灌面积（万公顷）	Areas of Irrigating by Insufflantion and Dripping Pipeline (10 000 hectares)	0.43	0.80	1.07	0.92
机械植保面积（万公顷）	Areas of Mechancial Protecting (10 000 hectares)	41.10	30.41	28.10	26.95
化肥施用量（实物量）（万吨）	Chemical Fertilizer Consumption (real) (10 000 tons)	82.54	44.89	30.78	27.52
化肥施用量（折纯量）（万吨）	Chemical Fertilizer Consumption (convert to pure amount) (10 000 tons)	19.33	11.84	9.16	8.90
农药施用量(万吨)	Farm Pesticides Consumption (10 000 tons)	1.10	0.70	0.39	0.35
农用塑料薄膜使用量（万吨）	Agricultural Plastic Film Consumption (10 000 tons)	2.13	2.11	1.71	1.57
地膜覆盖面积（万公顷）	Areas Covered by Plastic Film (10 000 hectares)	2.05	2.62	1.82	1.66

表 12.12 城外市属农场农业生产情况(2014～2017)
AGRICULTURAL PRODUCTION OF EXTERNAL MUNICIPAL FARM

指 标 Indicators		2014	2015	2016	2017
农业总产值(亿元)	Gross Output Value of Agriculture(100 million yuan)	21.56	25.09	32.36	31.02
#种植业	Planting	5.95	5.82	6.16	5.22
林 业	Forestry	0.05	0.15	0.06	0.37
牧 业	Animal Husbandry	12.04	15.23	21.06	20.31
渔 业	Fishery	3.52	3.89	5.08	5.12
主要农产品产量	Output of Major Farm Products				
粮食(万吨)	Grain(10 000 tons)	19.01	17.87	16.34	14.84
夏 粮	Summer Grain Crops	7.35	6.77	6.06	4.98
秋 粮	Autumn Grain Crops	11.66	11.10	10.28	9.86
油菜籽(吨)	Rapeseed(ton)	110	4 103	1 186	761
蔬菜(吨)	Vegetables(ton)		155	168	
园林水果(吨)	Fruits(ton)	424	604	157	200
西瓜(吨)	Watermelon(ton)	1 275	7 298	32 413	9 020
茶叶(吨)	Tea-leaves(ton)	6.06	2.43	0.80	2.21
生猪出栏(万头)	Quantity of Sold Hogs(10 000 heads)	54.72	63.27	79.51	77.95
生牛奶(万吨)	Raw Milk(10 000 tons)	7.62	5.97	10.12	15.07
水产品(万吨)	Aquatic Products(10 000 tons)	3.06	3.23	3.65	3.80

注：城外市属农场是指上海光明食品(集团)有限公司所属的外地农场，其产量和产值不包括在全市总量中。
Note: External municipal farm refers to the nonlocal farms owned to Shanghai bright food (Group) Co., Ltd., whose output and gross output value are not included in the total of the city.

上/海/统/计/年/鉴

主要统计指标解释

■ 农村从业人员

指乡村人口中16岁以上实际参加生产经营活动并取得实物或货币收入的人员，既包括劳动年龄内实际参加劳动人员，也包括超过劳动年龄但实际参加劳动的人员，但不包括户口在家的在外学生、现役军人和丧失劳动能力的人，也不包括待业人员和家务劳动者。劳动者年龄为16岁以上。

■ 农业总产值

农业总产值是以货币表现的农、林、牧、渔业全部产品的总量和对农林牧渔生产活动进行的各种支持性服务活动的价值。它反映一定时期内农业生产的总规模和总成果。

农、林、牧、渔业的统计范围是：

(1)种植业　包括谷物、豆类、薯类、棉、油料、糖料、麻类、烟叶、蔬菜、药材、瓜类和其他农作物的种植，以及茶园、桑园、果园的生产经营。

(2)林业　包括林木的栽培(不包括茶园、桑园和果园的栽培、管理和收获等活动)、林产品的采集和村及村以下合作经济组织和农户的竹木采伐。

(3)牧业　包括除渔业养殖以外的一切动物饲养和放牧，以及野生动物的捕猎和饲养。

(4)渔业　包括水生动物和海藻类植物的养殖和捕捞。

(5)农林牧渔服务业　包括农林牧渔业生产活动进行的各种支持性服务活动。但不包括各种科学技术和专业技术服务活动。

农业总产值的计算方法通常是按农林牧渔业产品及其副产品的产量分别乘以各自单位产品价格求得，少数生产周期较长、当年没有产品或产品产量不易统计的，则采用间接方法匡算其产值，然后将四业产品产值和服务业产值相加即为农业总产值。

1957年以前的农业总产值中包括了厩肥和农民自给性手工业(如农民自制衣服、鞋、袜，自己从事粮食初步加工等)。1958年及以后的农业总产值，林业中增加了村及村以下竹木采伐产值；牧业中取消了厩肥产值；副业中取消了农民自给性手工业产值，增加了村及村以下办的工业产值；渔业中增加了海洋捕捞水产品产值。1980年及以后的农业总产值，在副业中增加了农民家庭兼营工业商品部分的产值。从1984年起村及村以下办工业产值划归工业。从1993年起，取消副业。将野生动物的捕猎划入牧业，野生植物采集和农民家庭兼营商品性工业划归农业。从2003年起，农业总产值中包括了农林牧渔服务业产值。

■ 农业机械总动力

指用于农、林、牧、渔业生产的各种动力机械的动力总和。动力机械包括耕作、排灌、种植、植物保护、收获、农产品加工、运输、畜牧、渔业、农田水利等各种机械。不包括专门用于乡办工业、基本建设、非农业运输、科学试验和教学等非农业生产方面用的动力机械与作业机械的数量。

■ 农作物播种面积

指报告期内收获农产品的作物的实际播种或移植有农作物的面积。凡是实际种植农作物的面积，不论种植在耕地上还是种植在非耕地上，均包括在农作物播种面积中。在播种季节基本结束后，因遭灾而重新改种和补种的农作物面积，也包括在内。

■ 粮食产量

指全社会的产量。包括国有经济经营的、集体统一经营的和农民家庭经营的粮食产量，还包括工矿企业办的农场和其他生产单位的产量。粮食除包括稻谷、小麦、玉米、高粱、谷子及其他杂粮外，还包括薯类和豆类。其产量计算方法，豆类按去豆荚后的干豆计算；薯类(包括甘薯和马铃薯，不包括芋头和木薯)1963年以前按每4公斤鲜薯折1公斤粮食计算，从1964年开始改为按5公斤鲜薯折1公斤粮食计算。城市郊区作为蔬菜的薯类(如马铃薯等)按鲜品计算，并且不作粮食统计。其他粮食一律按脱粒后的原粮计算。1989年以前粮食产量数据主要靠全面报表取得，1989年开始使用抽样调查数据。

■ 棉花产量

指全社会的产量。包括春播棉和夏播棉。产量按皮棉计算。3公斤籽棉折1公斤皮棉，不包括木棉。

■ 油料产量

指全部油料作物的生产量。包括花生、油菜籽、芝麻、

主要统计指标解释

向日葵籽、胡麻籽(亚麻籽)和其他油料。不包括大豆、木本油料和野生油料。花生以带壳干花生计算。

■ 水产品产量

指人工养殖的水产品和天然生长的水产品的捕捞量。包括海水的鱼类、虾蟹类、贝类和藻类以及内陆水域的鱼类、虾蟹类和贝类,不包括淡水生植物。水产品产量是通过各级水产和统计部门逐级上报取得数据。1995 年及以前,贝类中牡蛎按鲜肉计算;蚶、蛤、蛙按 5 斤鲜品折 1 斤计算。1996 年以后则统一按鲜品计算。

■ 猪、牛、羊肉产量

指当年出栏并已屠宰、除去头蹄下水后带骨肉(即胴体重)的重量。包括全社会范围内的产量。1996 年前为各级逐级上报数据。1996 年第一次农业普查以后,由于畜牧业产品年报数据与普查数据之间存在一定的差距,国家统计局农调总队对畜牧业年报数据与普查数据进行衔接。上海仍使用各级统计部门逐级上报数据。

EXPLANATORY NOTES TO MAJOR STATISTICAL INDICATORS

□ Employees in Rural Areas

Employees in Rural Areas refers to people in rural areas who are older than 16 years and engaged in production and business activities that generate incomes in cash or in practicality. It includes all working laborers, no matter whether they are within the working age or not, whereas students studying outside but with their registered residence at home, active serviceman, people who lost their ability to work, unemployed people, and those engaged in housework are not included. The working age is defined as older than 16 years.

□ Gross Output Value of Agriculture

Gross Output Value of Agriculture refers to the total volume of products of farming, forestry, animal husbandry and fishery expressed in the monetary terms and output value of all kinds of service activities that support farming, forestry, animal husbandry and fishery production. It reflects the overall scale and achievements of agricultural production during a given period of time.

The scope of statistics on farming, forestry, animal husbandry, and fishery are as follows:

(1) Farming includes cultivation of grain crops, legume crops, tuber-crops, cotton, oil-bearing crops, sugar crops, bastfiber plants, tobacco, vegetables, medicinal herbs, melon crops, and cultivation and management of tea plantations, mulberry fields and orchards.

(2) Forestry refers to planting trees of various kinds (excluding tea plantations, mulberry fields and orchards), collection of forestry products and cutting and felling of bamboo and trees by villages and other cooperative organizations under village level.

(3) Animal husbandry refers to raising and grazing of all kinds of farm animals except fishing and aquatic cultivating, and hunting and rising of wild animals.

(4) Fishery refers to cultivation and catching of fish and other aquatic products and cultivation and collection of seaweed and other aquatic plants.

(5) Service Industry for Farming, Forestry, Animal Husbandry and Fishery refers to all kinds of service activities that support farming, forestry, animal husbandry and fishery production, whereas activities of science, technology and professional service are not included.

Gross output value of agriculture is obtained by first multiplying the output of products or by-products by their unit price. For a small number of products, annual output of which is not available or difficult to get due to the long production/growing process involved, the output value will be estimated through an indirect approach. The sum of output value of all products of farming, forestry, animal husbandry and fishery and output value of service activities will then and together to form gross output value of agriculture.

Before 1957, China's gross agricultural output value included the value of barnyard manure and handicraft products for self-consumption (clothes, shoes, stockings, and initial grain processing under-taken by peasants). After 1958, the output value of cutting and felling of bamboo and trees by villages and other cooperative organizations under villages have been included in forestry; value of barnyard manure has been excluded from animal husbandry; the value of self-consumed handicrafts has been excluded from sideline occupations, while output value of industries run by villages and cooperative organizations under village level has been included in sideline occupations and output value of fish catches by motor fishing boats has been added to fishery. Since 1980, the output value of handicraft products made for sale by farmer households has been added to sideline occupations. From 1984, industries run by villages and cooperative organizations under village level have been included in the sector of industry. After 1993, the category of sideline occupations has been canceled and hunting of wild animals has been classified into husbandry, and harvesting of wild vegetation and commodity industry run by rural households have been grouped into the category of agriculture. Since 2003, the output value of service industry for farming, forestry, animal husbandry and fishery is included in the gross output value of agriculture.

□ Total Power of Agricultural Machinery

Total Power of Agricultural Machinery refers to the total mechanical power of machinery used in farming, forestry animal husbandry and fishery, including machines used for ploughing, irrigation and drainage, crop growing, plant protection, harvesting, farm product processing, transport, stock breeding, fishery and water conservancy. Machinery employed for non-agricultural purposes such as township industry, capital construction, non-a

EXPLANATORY NOTES TO MAJOR STATISTICAL INDICATORS

gricultural transport, scientific experiments and for teaching is excluded.

□ Sown Area of Planting

Sown Area of Planting refers to area of land sown or transplanted with crops that have been harvested during report period, regardless of being in cultivated area or non-cultivated area. Area of land re-sown due to natural disasters is also included.

□ Grain Output

Grain Output refers to the total output in the whole country including grains produced by state farms, collective units, rural households, as well as by farms affiliated to industrial and mining enterprises and other production units. Grain includes rice, wheat, corn, sorghum, millet and other miscellaneous grains as well as tubers and bean. Output of beans refers to dry beans without pods. The output of tubers (sweet potatoes and potatoes, not including taros and cassava) was converted into that of grain at the ratio 4:1, i.e. 4 kilograms of fresh tubers was equivalent to 1 kilogram of grain up to 1963. Since 1964 the ratio for conversion has been 5:1. Tubers supplied as vegetables (such as potatoes) in cities and suburbs are calculated as fresh vegetables and their output is not included in the output of grain. Output of all other grains refers to husked grain. Data on grain production before 1989 were obtained through Comprehensive Statistical Reporting System. Since 1989, data from sample surveys are used.

□ Cotton Output

Cotton Output refers to the cotton production in the whole country including cotton sown in spring and in autumn. Output is measured as the weight of ginned cotton. Three kilograms of seed-cotton are equivalent to 1 kilogram of ginned cotton, excluding ceiba.

□ Output of Oil-bearing Crops

Output of Oil-bearing Crops refers to the total production of oil-bearing crops of various kinds, including peanuts, (dry, in shell) rapeseeds, sesame, sunflower seeds, flax seeds, and other oil-bearing crops. Soybeans, oil-bearing woody plants, and wild oil-bearing crops are not included.

□ Output of Aquatic Products

Output of Aquatic Products refers to catches of both artificially cultured and naturally grown aquatic products, including fish, shrimps, crabs and shellfish in sea and inland water as well as seaweed. Freshwater plants are not included. Data on output of aquatic products are reported by aquatic product and statistical agencies level by level. Before 1995, among the shellfish, the oyster was counted as fresh meat; 5 kilograms of ark shell, clams and frogs are equivalent to 1 kilogram of fresh aquatic products; they are all counted as fresh aquatic products since 1996.

□ Output of Pork, Beef, and Mutton

Output of Pork, Beef, and Mutton refers to the meat of slaughtered hogs, cattle, sheep and goats with head, feet, and offal taken away. Data refers to the production of the whole country. The first agriculture census of China in 1996 revealed some discrepancy between the production of animal products from the annual reports and that from the census. Efforts were made by the Rural Socio-economic Survey Organization of NBS to adjust the output value of animal husbandry to make the figures from the annual reports consistent with the census data. Data of Shanghai are still reported by statistical agencies level by level.