第13篇

农　业

Agriculture

简 要 说 明

一、本篇资料的主要内容

本篇资料反映了全省农业生产和农村经济的基本情况，主要包括农林牧渔业总产值、增加值、耕地、主要农产品产量、农业机械年末拥有量、农村电气化和农业化学化情况以及农田水利建设等方面的统计资料。

二、本篇资料的来源

1、地类面积资料来源于省国土资源厅，由省统计局农村处整理提供。

2、灌溉面积资料来源于省水利厅，由省统计局农村处整理提供。

3、渔业生产资料来源于省海洋与渔业厅，由省统计局农村处整理提供。

4、林业生产资料来源于省林业厅，由省统计局农村处整理提供。

5、粮食生产情况由山东调查总队农业调查处整理提供。

6、农业机械资料来源于省农机局，由省统计局农村处整理提供。

7、其余资料来源于农村综合统计年报，由省统计局农村处整理提供。

三、本篇资料的统计范围和统计口径

本篇资料的统计范围包括省内所属的各种经济类型、各个系统的全部农林牧渔业生产单位以及各非农行业附属的农林牧渔业生产活动单位。军委系统的农业生产（除军马外）也包括在内，但不包括农业科学试验机构进行的农业生产。

Brief Introduction

I. Content

Data in this chapter show the basic conditions of agricultural production and rural economy, mainly including agricultural output, value added, cultivated land, output of main agricultural produces, agricultural machinery, electrification and chemistry in rural areas and basic construction on irrigation and drainage.

II. Source of Data

1. Data on land are provided by the Department of Land and Resources of Shandong Province.

2. Data on irrigated area are provided by the Water Resources Department of Shandong Province.

3. Data on fishery production means are provided by the Department of Ocean and Fisheries of Shandong Province.

4. Data on forestry production means are provided by the Department of Forestry of Shandong Province.

5. Data on grain output are provided by the Division of Agriculture Survey of the National Bureau of Statistics in Shandong.

6. Data on agricultural machinery are provided by the Department of Agricultural Machinery Supervision of Shandong Province.

7. Other data in this chapter are based on the statistical reporting summary tables of countryside statistics.

III. Scope and Coverage of Statistics

The coverage of the comprehensive statistical reporting includes all productive units of farming, forestry, animal husbandry and fishery and those related non-agricultural affiliated units with various ownership and the activities of horse raising for military purpose and those undertaken by agricultural research institutions are excluded.

13-1 主要年份农林牧渔业总产值

Gross Output Value of Farming,Forestry, Animal Husbandry and Fishery in Major Years

单位:亿元 (100 million yuan)

年份 Year	农林牧渔业总产值 Gross Output Value of Farming, Forestry,Animal Husbandry and Fishery	农业 Farming	种植业 Planting	林业 Forestry	牧业 Animal Husbandry	渔业 Fishery	农林牧渔服务业 Farming,Forestry, Animal Husbandry and Fishery Service
1949	20.07	18.01	16.01	0.12	1.66	0.28	
1952	40.00	35.05	31.16	0.25	3.98	0.72	
1955	44.97	40.05	35.40	0.66	3.37	0.89	
1957	36.44	31.21	30.36	0.87	3.54	0.82	
1962	38.32	32.77	32.71	0.26	4.09	1.20	
1965	50.49	42.88	42.79	0.55	5.76	1.30	
1970	66.78	55.75	55.62	0.90	8.14	1.99	
1975	93.43	75.85	75.64	2.65	12.33	2.60	
1976	100.36	80.37	80.12	2.60	14.24	3.15	
1977	99.27	78.83	78.40	2.10	14.72	3.62	
1978	102.22	84.77	83.71	1.81	12.19	3.45	
1979	135.92	113.34	111.33	2.04	16.61	3.93	
1980	160.91	128.81	126.22	4.52	23.43	4.15	
1981	198.50	155.62	151.83	4.91	33.04	4.94	
1982	218.51	171.58	167.98	7.22	34.12	5.59	
1983	259.50	208.75	202.87	8.48	36.21	6.06	
1984	310.11	245.19	236.64	8.60	48.20	8.12	
1985	335.42	248.17	236.62	11.07	62.82	13.36	
1986	361.19	269.51	255.92	12.67	62.84	16.17	
1987	413.18	313.76	299.05	12.11	64.15	23.16	
1988	494.53	331.59	313.98	14.80	108.07	40.07	
1989	547.66	366.24	347.61	14.28	124.71	42.43	
1990	645.75	419.50	397.85	20.45	150.19	55.61	
1991	779.18	491.76	471.53	22.19	186.52	78.71	
1992	815.62	462.58	437.03	23.73	215.73	113.58	
1993	944.99	526.66	511.48	28.24	239.90	150.19	
1994	1282.25	660.13	649.84	36.78	348.78	236.56	
1995	1678.16	931.89	922.96	41.81	433.62	270.84	
1996	1962.12	1090.64	1078.05	49.97	512.60	308.91	
1997	2058.32	1137.19	1107.33	49.86	550.58	320.69	
1998	2174.54	1219.85	1184.65	45.91	583.40	325.38	
1999	2202.95	1254.87	1232.44	44.93	572.95	330.20	
2000	2294.35	1300.44	1280.12	47.62	599.17	347.12	
2001	2453.96	1401.34	1385.22	47.22	654.71	350.69	
2002	2526.05	1420.88	1402.81	48.25	698.44	358.48	
2003	2902.45	1599.32		53.70	831.34	370.04	48.05
2004	3453.91	1891.73		59.49	1022.84	426.09	53.76
2005	3741.81	2033.95		57.57	1125.04	465.52	59.73
2006	4058.62	2283.29		65.48	1025.37	522.94	161.54
2007	4752.65	2589.46		81.98	1317.06	577.31	186.83
2008	5583.98	2863.29		102.24	1715.47	679.12	223.87
2009	5953.15	3170.05		101.27	1699.51	735.75	246.58
2010	6573.77	3588.42		86.53	1796.52	829.77	272.52
2011	7311.11	3737.04		99.96	2205.73	973.24	295.14
2012	7817.84	3829.19		107.01	2328.69	1227.81	325.14
2013	8577.06	4335.77		120.30	2410.56	1347.03	363.40
2014	8988.18	4556.10		131.53	2478.81	1420.85	400.90
2015	9283.92	4662.61		139.92	2602.08	1447.28	432.03
2016	9075.60	4387.51		147.48	2620.29	1409.65	510.66
2017	9140.36	4403.23		165.09	2501.37	1475.96	594.70

注:本表绝对数按当年价格计算。2007至2017年数据系与第三次农业普查衔接数据。

a)Data are caculated at current prices.Data from 2007 to 2017 are consistent with those obtained from the Third Agricultural Census.

13-2 主要年份农林牧渔业总产值指数(以1952年为100)
Indices of Farming,Forestry,Animal Husbandry and Fishery in Major Years(1952=100)

年份 Year	农林牧渔业总产值 Indices of Farming,Forestry, Animal Husbandry and Fishery	农业 Farming	种植业 Planting	林业 Forestry	牧业 Animal Husbandry	渔业 Fishery	农林牧渔服务业 Farming,Forestry, Animal Husbandry and Fishery Service
1949	57.7	59.1	59.1	56.9	48.0	44.2	
1952	100.0	100.0	100.0	100.0	100.0	100.0	
1955	108.1	109.9	109.3	256.9	81.3	118.4	
1957	94.2	92.1	100.8	360.8	91.9	118.4	
1962	65.5	63.9	71.8	70.6	70.0	114.3	
1965	99.8	96.7	108.6	174.5	114.3	142.9	
1970	123.5	117.7	132.1	264.7	151.2	204.8	
1975	163.2	151.2	169.6	745.1	216.5	252.4	
1976	166.9	152.6	171.1	692.2	237.8	291.8	
1977	164.8	149.4	167.1	556.9	245.5	334.7	
1978	177.1	160.6	178.2	680.4	253.4	383.7	
1979	193.9	177.1	195.7	637.3	287.2	338.8	
1980	212.1	190.0	209.7	680.4	347.4	375.5	
1981	218.8	198.2	218.1	627.5	352.9	336.1	
1982	239.2	215.3	236.9	1043.1	373.1	383.0	
1983	273.7	253.2	275.9	988.2	386.1	399.3	
1984	326.0	302.4	326.8	1109.8	462.2	449.7	
1985	338.2	306.5	326.8	1427.5	520.9	491.8	
1986	339.2	304.4	321.2	1380.4	539.2	566.0	
1987	366.3	331.7	350.4	1364.7	551.7	681.6	
1988	378.6	324.4	337.3	1325.5	703.9	887.8	
1989	383.5	321.8	333.9	1259.2	768.7	959.7	
1990	404.2	335.6	345.3	1235.3	823.3	1150.7	
1991	452.3	370.2	384.0	1315.6	922.9	1393.5	
1992	455.9	345.4	352.9	1380.1	985.7	1721.0	
1993	510.6	381.0	399.8	1526.4	1080.3	2103.1	
1994	578.0	411.1	436.2	1770.6	1295.3	2523.7	
1995	629.4	441.9	471.1	1839.7	1463.7	2720.5	
1996	675.3	478.1	507.4	2141.6	1551.5	2902.8	
1997	707.0	490.1	506.4	2154.4	1716.0	2975.4	
1998	777.0	589.3	562.1	2068.2	1915.1	3121.2	
1999	819.7	615.2	599.2	2072.3	2045.3	3345.9	
2000	851.7	639.8	625.6	2200.8	2155.7	3362.6	
2001	885.8	666.0	655.6	2064.4	2315.2	3315.5	
2002	895.5	649.4	637.2	1971.5	2472.6	3391.8	
2003	944.8	691.6		2121.3	2613.5	3449.5	111.5
2004	998.7	732.4		2138.3	2772.9	3601.3	108.0
2005	1050.6	761.0		2059.2	2975.3	3842.6	109.2
2006	1105.2	802.1		2279.5	3106.2	3992.5	118.8
2007	1141.7	829.4		2457.3	3131.0	4180.1	110.8
2008	1199.9	859.3		2798.9	3315.7	4426.7	113.3
2009	1251.5	882.5		3076.0	3488.1	4701.2	110.1
2010	1296.6	904.6		3380.5	3624.1	4931.6	109.9
2011	1345.9	939.9		3694.9	3714.7	5148.6	107.2
2012	1409.2	963.4		3820.5	4000.7	5359.7	107.7
2013	1462.7	1005.8		4164.3	4084.7	5536.6	109.5
2014	1521.2	1052.1		4568.3	4182.7	5686.1	109.3
2015	1586.6	1101.5		4938.3	4312.4	5868.1	108.5
2016	1656.4	1156.6		5407.4	4424.5	5985.5	115.8
2017	1722.7	1207.5		5942.7	4588.2	5955.6	112.5

注：本表按可比价格计算；农林牧渔服务业指数以上年为100。

a)Data are caculated at constant prices.Indices of Farming,Forestry,Animal Husbandry and Fishery service in preceding year is considered as 100%.

13-3 农林牧渔业总产值

Gross Output Value of Farming,Forestry,Animal Husbandry and Fishery

单位:亿元 (100 million yuan)

类 别	Category	2016	2017	2017为2016% 2016=100
农林牧渔业总产值	**Gross Output Value of Farming,Forestry, Animal Husbandry and Fishery**	**9075.60**	**9140.36**	**104.0**
一、农业产值	**Output Value of Farming**	**4387.51**	**4403.23**	**104.4**
1.谷物及其他作物	Cereal and Other Corps	1757.33	1774.92	101.0
#粮食	Grain	1116.01	1122.64	100.4
油料	Oil	169.01	169.89	100.3
棉花	Cotton	93.87	94.17	94.7
2.蔬菜园艺作物	Vegetable Gardening Crops	1575.78	1482.24	105.3
#蔬菜(含菜用瓜)	Vegetables	1480.70	1384.54	103.3
3.水果坚果饮料	Fruit and Nut Beverages	996.81	1081.83	108.6
#水果坚果(含果用瓜)	Fruit and Nut	967.60	1050.61	107.2
4.中药材	Chinese Herbal Medicines	57.59	64.25	110.2
二、林业产值	**Output Value of Forestry**	**147.48**	**165.09**	**109.9**
1.林木的培育和种植	Trees Cultivation and Planting	60.72	66.98	108.4
2.竹木采运	Bamboo Logging and Transport	29.53	33.56	111.5
3.林产品	Forestry Products	57.22	64.56	110.8
三、牧业产值	**Output Value of Animal Husbandry**	**2620.29**	**2591.37**	**103.7**
1.牲畜饲养	Livestock Feeding	417.88	413.53	104.4
2.猪的饲养	Pig Feeding	1186.69	1015.34	103.4
3.家禽的饲养	Poultry Feeding	849.62	847.03	103.8
#肉禽	Poultry for Eating	414.71	420.37	106.7
禽蛋	Egg of Poultry	434.91	426.66	102.1
4.狩猎和捕捉动物	Animal Hunting and Trapping	1.86	1.79	104.6
5.其他畜牧业	Other Animal Husbandry	232.24	223.67	103.3
四、渔业产值	**Output Value of Fishery**	**1409.65**	**1475.96**	**99.5**
1.海水产品	Seawater Aquatic Products	1160.97	1222.46	99.7
2.内陆水域水产品	Inland waterways Aquatic Products	248.68	253.50	98.9
五、农林牧渔服务业产值	**Output Value of Farming,Forestry,Animal Husbandry and Fishery Service**	**510.66**	**594.76**	**112.5**

注:本表绝对数按当年价格计算,速度按可比口径及价格计算;2016、2017年数据系与第三次农业普查衔接数据。

a)Absolute data in the table are calculated at current prices, the speed are caculated at constant price and caliber.
Data of 2016,2017 are consistent with those obtained from the Third Agricultural Census.

13-4 各市农林牧渔业总产值(2017年)
Gross Output Value of Farming,Forestry,Animal Husbandry and Fishery by Region(2017)

单位:万元 (10 000 yuan)

地区 Region	农林牧渔业总产值 Output Value of Farming,Forestry, Animal Husbandry and Fishery	农业产值 Output Value of Farming	林业产值 Output Value of Forestry	牧业产值 Output Value of Animal Husbandry	渔业产值 Output Value of Fishery	农林牧渔服务业产值 Output Value of Services to Farming, Forestry,Animal Husbandry and Fishery
全省总计 Total	**91403597**	**44032325**	**1650945**	**25013665**	**14759635**	**5947027**
济南市 Jinan	5050817	2967495	152478	1592289	77953	260602
青岛市 Qingdao	6978980	3003367	30891	1663278	1830324	451120
淄博市 Zibo	2586093	1674316	144553	601769	50313	115142
枣庄市 Zaozhuang	2870542	1727117	26152	696500	156590	264183
东营市 Dongying	2741654	954890	25211	665819	833594	262140
烟台市 Yantai	9125205	3740475	173824	1558577	3076283	576046
潍坊市 Weifang	9532028	4759939	69282	3159883	891463	651461
济宁市 Jining	8978194	4735890	138522	2629965	872282	601535
泰安市 Tai'an	5232963	2773882	82035	1827648	179289	370109
威海市 Weihai	4992134	860238	11505	729798	3179888	210705
日照市 Rizhao	2961249	1069374	46288	738158	916605	190824
莱芜市 Laiwu	1005197	658974	36162	265575	15940	28546
临沂市 Linyi	6498240	3764397	286920	1814595	297658	334670
德州市 Dezhou	6708245	3043795	176074	2520461	248007	719908
聊城市 Liaocheng	5678325	3341102	42282	1791385	177829	325727
滨州市 Binzhou	4580169	1913450	98591	1254357	918555	395215
菏泽市 Heze	5004934	3043624	110175	1503607	158434	189094

13-5 各市农林牧渔业增加值(2017年)
Added Value of Farming,Forestry, Animal Husbandry and Fishery by Region(2017)

单位:万元 (10 000 yuan)

地区 Region	增加值 Added Value	农业 Farming	林业 Forestry	牧业 Animal Husbandry	渔业 Fishery	农林牧渔服务业 Services to Farming, Forestry,Animal Husbandry and Fishery
全省总计 Total	**51147033**	**27556582**	**1160261**	**10409521**	**9200756**	**2819913**
济南市 Jinan	2799105	1857058	107162	662711	48596	123577
青岛市 Qingdao	3901922	1854823	21339	693534	1118846	213380
淄博市 Zibo	1454563	1019624	100012	249859	30283	54785
枣庄市 Zaozhuang	1630932	1093956	18373	293714	98292	126597
东营市 Dongying	1500522	578854	17358	265662	519663	118985
烟台市 Yantai	5133727	2224756	119696	682345	1831004	275926
潍坊市 Weifang	5222255	3041601	47281	1269009	552733	311631
济宁市 Jining	5045316	2991655	96965	1104585	566983	285128
泰安市 Tai'an	2923073	1786475	59311	775435	124570	177282
威海市 Weihai	2787298	525032	7898	296231	1860450	97687
日照市 Rizhao	1673934	667610	32743	311133	571136	91312
莱芜市 Laiwu	568718	408564	25313	111542	9883	13417
临沂市 Linyi	3637291	2344466	201684	751608	184699	154835
德州市 Dezhou	3487039	1859752	123644	1004100	154867	344675
聊城市 Liaocheng	3141588	2090862	30704	754549	110854	154619
滨州市 Binzhou	2471855	1178353	68302	537855	499934	187411
菏泽市 Heze	2954196	2033141	82475	645649	104265	88666

13-6 主要年份粮、棉、油产量

Output of Grain,Cotton and Oil-bearing Crops in Major Years

年份 Year	粮食 Grain		棉花 Cotton		油料 Oil-bearing Crops	
	总产量（万吨） Gross Output (10 000 tons)	单产（千克/公顷） Output Per Hectare (kg/hectare)	总产量（万吨） Gross Output (10 000 tons)	单产（千克/公顷） Output Per Hectare (kg/hectare)	总产量（万吨） Gross Output (10 000 tons)	单产（千克/公顷） Output Per Hectare (kg/hectare)
1949	870.0	795	8.1	180	55.6	1170
1952	1199.0	1035	16.9	240	84.5	1470
1955	1276.0	1110	20.9	285	106.1	1485
1957	1126.0	990	17.4	225	70.0	945
1962	910.0	915	3.9	105	42.4	1875
1965	1332.0	1350	19.9	300	67.1	1395
1970	1465.0	1575	27.3	390	78.5	1575
1975	2170.5	2355	24.1	390	84.2	1515
1976	2241.5	2460	15.8	255	58.5	1065
1977	2099.0	2370	14.9	240	67.7	2025
1978	2288.0	2595	15.4	255	95.9	1785
1979	2472.0	2835	16.7	315	109.1	1800
1980	2384.0	2820	53.7	735	143.0	2160
1981	2312.5	2835	67.5	720	142.1	2010
1982	2375.0	3090	96.0	720	142.5	2190
1983	2700.0	3465	122.5	825	152.0	2460
1984	3040.0	3885	172.5	1005	182.0	2790
1985	3137.7	3930	106.2	915	267.9	2745
1986	3250.0	3840	94.1	930	207.6	2355
1987	3393.7	4125	124.4	1020	234.3	2940
1988	3225.0	3990	113.7	825	197.8	2505
1989	3250.0	4035	102.5	780	150.0	1995
1990	3570.0	4380	102.8	690	212.1	2910
1991	3916.9	4845	135.1	870	233.1	3285
1992	3589.3	4533	67.7	455	166.3	2380
1993	4100.0	4992	41.0	539	268.4	3434
1994	4091.1	5015	55.9	705	338.3	3781
1995	4245.0	5220	47.1	707	315.0	3580
1996	4332.7	5260	37.2	773	309.3	3767
1997	3852.2	4766	35.4	894	240.9	2977
1998	4264.8	5244	41.3	996	335.6	3908
1999	4269.0	5271	39.2	1072	320.5	3614
2000	3837.7	4938	59.0	1085	356.9	3730
2001	3720.6	5201	78.1	1062	377.3	3743
2002	3292.7	4763	72.2	1086	340.4	3458
2003	3435.5	5355	87.7	994	361.8	3572
2004	3516.7	5570	109.8	1036	369.7	3913
2005	3917.4	5837	84.6	1000	363.9	4044
2006	4093.0	5848	102.3	1149	328.2	4136
2007	4107.8	5896	95.1	1112	368.8	4190
2008	4353.9	6086	94.0	1172	374.7	4283
2009	4442.7	6088	79.0	1151	349.2	4349
2010	4502.8	6043	59.0	945	347.7	4317
2011	4701.3	6172	60.8	1043	343.7	4367
2012	4815.8	6214	51.4	1012	341.8	4404
2013	4883.4	6099	43.4	923	341.6	4386
2014	5038.3	6087	44.2	1122	329.6	4355
2015	5147.4	6123	33.9	1042	318.7	4302
2016	5332.3	6261	32.9	1179	317.1	4310
2017	5374.3	6356	20.7	1185	318.3	4389

注：本表2007至2017年数据系与第三次农业普查衔接数据。

a)Data from 2006 to 2017 are consistent with those obtained from the Third Agricultural Census.

13-7 1978-2017年畜牧业生产情况
Production of Animal Husbandry1978 to 2017

年 份 Year	肉类总产量 (万吨) Output of Meat (10 000 tons)	猪存栏 (万头) Stocked Pigs (10 000 heads)	牛存栏 (万头) Stocked Cattle (10 000 heads)	羊存栏 (万只) Stocked Sheep (10 000 heads)	家禽存栏 (万只) Stocked Poultry (10 000 heads)
1978	60.80	1992.00	227.60	756.40	6766.00
1979	65.18	2117.60	221.50	925.80	7204.00
1980	90.10	2112.50	217.80	1041.30	7997.00
1981	96.26	1901.10	213.70	1025.60	8075.00
1982	94.98	1726.20	213.60	989.50	9115.00
1983	94.54	1562.70	222.10	901.80	10216.80
1984	104.38	1681.50	232.60	753.90	14688.90
1985	128.62	1812.80	258.00	783.30	16548.20
1986	141.78	1668.90	292.50	985.30	15120.70
1987	141.02	1547.00	344.60	1404.10	16916.30
1988	171.47	1688.60	416.00	1436.40	21582.10
1989	195.63	1604.10	472.40	1491.30	20471.30
1990	221.61	1576.70	511.80	1528.10	23974.60
1991	241.49	1599.40	501.40	1591.20	24136.80
1992	250.67	1602.60	531.90	1655.20	25810.80
1993	286.61	1603.70	603.00	1703.50	27188.70
1994	338.77	1701.50	681.30	1799.80	35118.60
1995	394.42	1718.10	714.10	1866.10	34613.80
1996	405.52	1723.60	740.10	1877.20	37485.00
1997	460.64	2209.70	811.90	2038.60	41833.00
1998	497.90	2485.90	911.80	2322.00	48484.00
1999	524.49	2560.48	977.25	2536.22	53332.00
2000	499.99	2401.81	779.90	2260.06	47789.90
2001	531.49	2500.29	778.54	2357.24	50263.73
2002	559.66	2602.80	787.88	2466.79	53236.24
2003	591.00	2686.09	804.31	2543.26	55031.28
2004	621.72	2761.01	771.51	2667.51	56875.64
2005	657.78	2771.96	750.45	2645.96	54641.26
2006	698.32	2508.52	632.71	2368.26	52100.31
2007	660.00	2686.01	557.46	2281.96	49627.42
2008	704.52	2786.69	498.53	2033.94	55864.43
2009	730.91	2845.80	452.59	1939.09	54789.42
2010	754.03	2871.65	440.32	1926.95	58214.00
2011	763.07	2998.20	438.27	1887.90	63790.18
2012	822.56	3101.21	433.66	1850.33	70959.78
2013	838.18	3167.00	424.28	1797.90	70261.33
2014	836.81	3179.54	410.53	1765.01	69911.92
2015	845.50	3147.33	407.65	1767.89	71816.01
2016	837.11	3086.81	391.93	1693.10	78056.12
2017	866.01	3040.33	401.48	1754.05	76604.46

注：本表2006至2017年数据系与第三次农业普查衔接数据。
a)Data from 2006 to 2017 are consistent with those obtained from the Third Agricultural Census.

13-7 续表 continued

年 份 Year	猪出栏 (万头) Slaughtered Pigs (10 000 heads)	牛出栏 (万头) Slaughtered Cattle (10 000 heads)	羊出栏 (万只) Slaughtered Sheeps (10 000 heads)	家禽出栏 (万只) Slaughtered Poultry (10 000 heads)	禽蛋产量 (万吨) Output of Poultry Eggs (10 000 tons)	奶类产量 (万吨) Output of Milk (10 000 tons)
1978	901.20	4.60	142.40		22.50	6.83
1979	1047.50	6.70	228.60		23.67	6.95
1980	1241.60	8.80	377.50		25.62	6.80
1981	1296.80	11.50	460.70		29.47	5.24
1982	1213.20	10.60	521.60		34.30	8.77
1983	1159.20	18.90	616.30		41.07	11.43
1984	1284.00	18.40	519.10		62.28	13.34
1985	1482.60	27.60	558.30	8283.10	72.50	13.26
1986	1681.20	32.30	617.60	9234.50	69.66	15.81
1987	1514.00	49.80	842.10	11397.30	79.14	17.28
1988	1619.60	69.00	1219.00	15904.00	102.97	19.53
1989	1845.40	82.80	1348.40	16701.20	109.43	21.24
1990	1936.20	110.10	1416.40	22769.00	124.25	22.53
1991	1983.50	119.50	1348.70	30792.70	149.14	23.65
1992	2046.00	140.90	1366.10	33467.90	154.30	25.17
1993	2092.90	177.10	1411.00	42837.30	184.07	28.05
1994	2185.70	213.10	1668.20	64716.70	240.75	32.45
1995	2453.00	248.40	2034.10	71286.50	247.15	36.98
1996	2500.90	272.40	2051.80	73508.00	267.30	41.14
1997	2801.10	334.50	2269.30	82549.00	294.30	45.82
1998	3123.20	354.90	2518.90	91299.00	322.00	53.98
1999	3248.13	391.10	2838.80	100246.00	349.06	61.29
2000	3213.24	322.25	2375.73	91195.00	301.04	62.72
2001	3370.69	359.63	2530.15	99493.75	311.58	80.48
2002	3566.19	380.13	2646.54	105550.38	328.33	103.92
2003	3765.90	396.47	2731.23	113458.25	349.11	132.05
2004	4060.41	413.21	2869.43	122660.64	355.83	167.92
2005	4263.54	425.73	3002.98	145089.38	363.20	196.66
2006	4389.90	436.57	3026.24	151090.90	353.89	219.67
2007	3680.17	440.30	3001.42	140913.62	359.90	207.06
2008	3972.95	439.30	2941.33	155662.06	364.98	217.95
2009	4245.45	426.49	2827.01	161151.11	377.12	220.25
2010	4425.46	413.01	2707.40	169549.81	384.84	230.97
2011	4387.82	390.04	2546.51	181519.01	401.64	235.83
2012	4800.79	385.34	2493.35	199140.72	402.44	248.55
2013	5043.03	382.59	2472.15	195931.87	396.59	237.69
2014	5245.73	372.37	2530.64	182274.92	388.38	244.74
2015	5156.44	370.19	2527.12	192051.95	424.28	240.73
2016	5093.23	360.84	2540.84	214260.99	441.12	233.75
2017	5180.69	361.57	2629.76	220423.34	445.15	231.32

13-8 1978-2017年渔业生产情况
Output of Fishery from 1978 to 2017

单位：吨 (tons)

年份 Year	水产品总产量 Total Aquatic Products	海水产品 Seawater Aquatic Products		
			海洋捕捞 Ocean Fishing	海水养殖 Mariculture
1978	740283	691451	501504	189947
1979	627531	581165	432700	148465
1980	619591	570854	416814	154040
1981	589905	540408	407194	133214
1982	657698	611824	477729	134095
1983	674813	623122	465382	157740
1984	754572	693277	525027	168250
1985	814047	729568	531977	197591
1986	914411	806086	599376	206710
1987	1106641	983119	717588	265531
1988	1355865	1220408	809820	410588
1989	1539905	1403323	899265	504058
1990	1677973	1522059	1032683	489376
1991	1981169	1779214	1138436	640778
1992	2481648	2251437	1384628	866809
1993	3192828	2896171	1555657	1340514
1994	3506539	3053106	1608172	1444934
1995	3440763	2956402	1461525	1494876
1996	5299159	4683795	2337772	2346023
1997	5512326	4840507	2686824	2153683
1998	5875574	5116993	3003764	2113228
1999	6277843	5440155	3003387	2436767
2000	6306551	5375169	2780483	2594685
2001	6196988	5266599	2511170	2755430
2002	6277536	5403654	2457272	2946382
2003	6378795	5456872	2421393	3035479
2004	6486528	5528613	2440631	3087982
2005	6648983	5655207	2421396	3233811
2006	6837469	5783299	2359570	3423729
2007	7133795	5986873	2451596	3535277
2008	7303048	6094766	2481256	3613510
2009	7535939	6263895	2449591	3814304
2010	7838259	6463345	2350888	3962643
2011	8138280	6647212	2512437	4134775
2012	7885248	6524046	2161603	4362443
2013	8084522	6654179	2087829	4566350
2014	8464587	7085761	2286654	4799107
2015	8722448	7352063	2356409	4995654
2016	8899622	7541952	2414112	5127840
2017	8680030	7371727	2180891	5190836

注：本表2012至2017年数据系与第三次农业普查衔接数据。
a)Data from 2012 to 2017 are consistent with those obtained from the Third Agricultural Census.

13-8 续表 continued

年 份 Year	淡水产品产量(吨) Freshwater Aquatic Products (ton)			水产品养殖面积(万亩) Water Area for Breeding Aquatics (10 000 mu)		
		捕捞量 Fishing Output	养殖量 Breeding Output		海 水 Seawater	淡 水 Freshwater
1978	48832	32507	16325	202.30	26.80	175.50
1979	46366	30968	15398	193.29	26.54	166.75
1980	48737	32436	16301	203.21	28.50	174.71
1981	49497	31489	18008	182.24	28.66	153.58
1982	45874	29696	16178	176.15	35.18	140.97
1983	51691	31713	19978	160.05	32.31	127.74
1984	61295	34438	26857	165.10	37.70	127.40
1985	84479	37370	47109	215.14	49.58	165.56
1986	108325	38641	69684	243.14	56.70	186.44
1987	123522	34103	89419	257.65	70.87	186.78
1988	135457	29354	106103	234.90	104.27	180.63
1989	136582	26847	109735	246.73	103.72	143.01
1990	155914	31545	124369	273.52	105.01	168.51
1991	201955	41772	160183	304.04	112.54	191.50
1992	230211	41074	189137	312.30	115.89	196.41
1993	296657	50088	246569	400.16	223.76	176.40
1994	453433	58373	395060	466.56	197.36	269.21
1995	484362	55428	428933	497.39	197.81	299.58
1996	615364	67222	548142	564.54	242.45	322.09
1997	671819	73221	598598	618.91	274.04	344.87
1998	758582	80336	678246	649.80	283.22	366.58
1999	837689	80002	757687	722.78	336.14	386.65
2000	931382	81214	850168	788.35	420.71	367.64
2001	930389	79991	850397	829.39	434.99	394.40
2002	873882	71142	802740	802.51	439.15	363.36
2003	921923	91019	830904	930.91	537.52	393.38
2004	957915	93484	864431	1014.34	598.02	416.32
2005	993776	110887	882889	1033.11	611.09	422.02
2006	1054170	117390	936780	840.03	564.62	275.42
2007	1146922	114368	1032554	884.99	609.26	275.73
2008	1208282	129643	1078639	993.45	639.33	354.12
2009	1272044	128342	1143702	1029.30	662.10	367.20
2010	1374914	130896	1244018	1136.51	751.42	385.09
2011	1491068	135378	1355690	1174.40	768.19	406.21
2012	1361202	112783	1248419	1205.16	785.56	419.60
2013	1430344	115167	1315177	1240.35	820.23	420.12
2014	1378826	90661	1288165	1252.66	822.73	429.93
2015	1370385	83086	1287299	1269.23	844.80	424.43
2016	1357670	93900	1263770	1259.25	907.20	352.05
2017	1308303	83730	1224573	1250.38	915.57	334.81

13-9 农作物播种面积和产量
Sown Area and Output of Farm Crops

类 别	Category	2016 播种面积(公顷) Sown Area (hectare)	2016 总产量(吨) Total Output (ton)	2016 单产(千克/公顷) Output per Hectare (kg/hectare)	2017 播种面积(公顷) Sown Area (hectare)	2017 总产量(吨) Total Output (ton)	2017 单产(千克/公顷) Output per Hectare (kg/hectare)
农作物总播种面积	**Total Sown Area of Crops**	**11278616**			**11107794**		
一、粮食作物合计	**Grain**	**8517333**	**53322834**	**6261**	**8455601**	**53743105**	**6356**
(一)夏收粮食	Summer Harvest Grain	4070000	24909732	6120	4086109	24959639	6108
1.谷物	Cereals	4068667	24904704	6121	4084564	24954831	6110
#小麦	Wheat	4068000	24901096	6121	4083870	24951119	6110
2.夏杂豆	Beans	1333	5027	3770	1544	4809	3114
(二)秋收粮食	Autumn Harvest Grain	4447333	28413102	6389	4369492	28783465	6587
1.谷物	Cereals	4196667	27124149	6463	4143457	27637415	6670
(1)稻谷	Rice	106667	888351	8328	108859	901414	8281
(2)玉米	Corn	4059333	26138146	6439	4000123	26621547	6655
(3)谷子	Millet	27333	86949	3181	30607	101583	3319
(4)高粱	Chinese Sorghum	2667	8377	3141	3325	10871	3269
(5)其他	Others	667	2326	3488	543	2000	3686
2.豆类合计	Beans	130000	347406	2672	123435	331361	2685
#大豆	Soybean	124667	335627	2692	119549	321281	2687
3.薯类(按折粮计算)	Tubers	120667	941548	7803	102601	814690	7940
二、油料作物合计	**Oil-bearing Crops**	**735774**	**3171371**	**4310**	**725196**	**3183002**	**4389**
#花生果	Peanuts	718964	3121341	4341	709232	3135284	4421
油菜籽	Rapeseeds	8482	22696	2676	8048	21235	2638
芝 麻	Sesame	494	1027	2078	391	662	1693
三、棉花	**Cotton**	**279132**	**328956**	**1179**	**174667**	**207000**	**1185**
四、生麻	**Fiber Crops**	**152**	**420**	**2758**	**40**	**81**	**2028**
#生 大 麻	Hemp	152	420	2758	40	81	2028
五、甜菜	**Beetroots**	**3**	**120**	**45000**	**3**	**119**	**44715**
六、烟叶	**Tobacco**	**23692**	**64816**	**2736**	**21388**	**56953**	**2663**
#烤烟	Flue-cured Tobacco	23686	64816	2737	21384	56953	2663
七、中草药材	**Medical Materials**	**27343**			**30451**		
八、蔬菜及食用菌	**Vegetable and Mushroom**	**1454327**	**80347206**	**55247**	**1462041**	**81337705**	**55633**
九、瓜果类	**Melon**	**218477**	**11634772**	**53254**	**214952**	**11567237**	**53813**
#西瓜	Watermelon	163607	9103896	55645	158624	8867900	55905
十、其它农作物	**Other Farm Crops**	**22377**			**23455**		
#青饲料	Fresh Feed	2161			3678		

注：本表2016、2017年数据系与第三次农业普查衔接数据。
a) Data of 2016,2017 are consistent with those obtained from the Third Agricultural Census.

13—10 各市农作物播种面积和产量(2017年)

Sown Area and Output of Farm Crops by Region(2017)

地区 Region	农作物总播种面积(公顷) Total Sown Area of Farm Crops (hectare)	一、粮食作物合计 Grain Crops			(一)夏收粮食 Summer Harvest Grain		
		播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	11107794	8455601	53743105	6356	4086109	24959639	6108
济南市 Jinan	565525	451520	2555682	5660	215820	1237871	5736
青岛市 Qingdao	673237	477858	2968896	6213	227580	1264073	5554
淄博市 Zibo	253301	221020	1467916	6642	100233	671502	6699
枣庄市 Zaozhuang	403085	285212	1791180	6280	143027	872000	6097
东营市 Dongying	259948	217320	1295186	5960	93375	551203	5903
烟台市 Yantai	461313	318078	1774927	5580	136732	661277	4836
潍坊市 Weifang	1023890	719263	4387611	6100	346763	2044586	5896
济宁市 Jining	963687	711739	4627844	6502	354341	2207370	6230
泰安市 Tai'an	529693	364823	2533919	6946	169317	1180044	6969
威海市 Weihai	203010	124180	644378	5189	49620	180505	3638
日照市 Rizhao	227349	140807	894961	6356	59427	335744	5650
莱芜市 Laiwu	76428	39507	254672	6446	6720	35123	5227
临沂市 Linyi	1015604	661940	4153904	6275	301253	1773935	5889
德州市 Dezhou	1197090	1077319	7431759	6898	547517	3682355	6726
聊城市 Liaocheng	1016402	841866	5532745	6572	437873	2787580	6366
滨州市 Binzhou	685406	596870	3784659	6341	273290	1681550	6153
菏泽市 Heze	1552827	1206280	7642866	6336	623220	3792921	6086

13—10 续表 1 continued

地区 Region	1.谷物 Cereals			#小麦 Wheat			2.夏杂豆 Beans		
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	4084564	24954831	6110	4083870	24951119	6110	1544	4809	3114
济南市 Jinan	215820	1237871	5736	215820	1237871	5736			
青岛市 Qingdao	227580	1264073	5554	227580	1264073	5554			
淄博市 Zibo	100233	671502	6699	100233	671502	6699			
枣庄市 Zaozhuang	143027	872000	6097	143027	872000	6097			
东营市 Dongying	93375	551203	5903	93375	551203	5903			
烟台市 Yantai	136732	661277	4836	136732	661277	4836			
潍坊市 Weifang	345252	2039884	5908	345252	2039884	5908	1511	4702	3112
济宁市 Jining	354341	2207370	6230	354341	2207370	6230			
泰安市 Tai'an	169317	1180044	6969	169317	1180044	6969			
威海市 Weihai	49620	180505	3638	49620	180505	3638			
日照市 Rizhao	59393	335638	5651	59392	335631	5651	33	107	3191
莱芜市 Laiwu	6720	35123	5227	6720	35123	5227			
临沂市 Linyi	301253	1773935	5889	300561	1770230	5890			
德州市 Dezhou	547517	3682355	6726	547517	3682355	6726			
聊城市 Liaocheng	437873	2787580	6366	437873	2787580	6366			
滨州市 Binzhou	273290	1681550	6153	273290	1681550	6153			
菏泽市 Heze	623220	3792921	6086	623220	3792921	6086			

13-10 续表 2 continued

地区 Region	(二)秋收粮食 Autumn Harvest Grain			1.谷物 Cereals			(1)稻谷 Rice		
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	4369492	28783465	6587	4143457	27637415	6670	108859	901414	8281
济南市 Jinan	235700	1317812	5591	222114	1256819	5658	1774	13561	7645
青岛市 Qingdao	250278	1704823	6812	243254	1672811	6877	118	692	5873
淄博市 Zibo	120787	796414	6594	118222	782407	6618	397	3112	7838
枣庄市 Zaozhuang	142185	919180	6465	130525	852049	6528	2175	15652	7197
东营市 Dongying	123945	743983	6003	120050	735141	6124	17283	116293	6729
烟台市 Yantai	181346	1113650	6141	163909	1030055	6284	369	3139	8512
潍坊市 Weifang	372500	2343025	6290	363792	2294766	6308	0	2	4666
济宁市 Jining	357397	2420473	6773	324565	2250731	6935	40612	340822	8392
泰安市 Tai'an	195507	1353875	6925	178153	1284714	7211	238	2129	8939
威海市 Weihai	74560	463873	6221	65462	417008	6370			
日照市 Rizhao	81380	559217	6872	70579	484357	6863	2797	21492	7683
莱芜市 Laiwu	32787	219549	6696	30166	198497	6580			
临沂市 Linyi	360687	2379969	6598	304637	2051207	6733	38465	340988	8865
德州市 Dezhou	529801	3749404	7077	527511	3737647	7085			
聊城市 Liaocheng	403993	2745165	6795	398748	2724324	6832	95	696	7336
滨州市 Binzhou	323580	2103108	6500	320587	2093118	6529	346	2766	7997
菏泽市 Heze	583060	3849945	6603	561183	3771763	6721	4190	40072	9564

13-10 续表 3 continued

地区 Region	(2)玉米 Corn			(3)谷子 Millet			(4)高粱 Chinese Sorghum		
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	4000123	26621547	6655	30607	101583	3319	3325	10871	3269
济南市 Jinan	210724	1212472	5754	9139	29723	3252	477	1062	2228
青岛市 Qingdao	242637	1670338	6884	359	1194	3324	23	56	2431
淄博市 Zibo	115568	772907	6688	2192	6209	2833	65	178	2726
枣庄市 Zaozhuang	127708	834255	6533	590	1935	3280	48	184	3816
东营市 Dongying	101940	616148	6044	110	301	2723	717	2400	3348
烟台市 Yantai	162145	1022223	6304	1116	3622	3245	88	284	3234
潍坊市 Weifang	356449	2270392	6369	6772	22813	3369	537	1471	2740
济宁市 Jining	282881	1905881	6737	936	3494	3733	107	421	3922
泰安市 Tai'an	176442	1277868	7242	1348	4289	3182	125	428	3412
威海市 Weihai	65460	417002	6370				2	6	2598
日照市 Rizhao	65814	455286	6918	1847	7175	3885	40	171	4297
莱芜市 Laiwu	29655	196775	6636	446	1547	3466	65	175	2694
临沂市 Linyi	262092	1697106	6475	3675	11973	3258	328	957	2922
德州市 Dezhou	527239	3736016	7086	272	1631	6003			
聊城市 Liaocheng	397766	2721078	6841	873	2512	2876	14	39	2784
滨州市 Binzhou	319517	2087313	6533	90	193	2147	635	2848	4484
菏泽市 Heze	556087	3728485	6705	842	2973	3530	54	192	3539

13—10 续表 4 continued

地区 Region	(5)其它谷物 Other Cereals			2.豆 类 Beans			#大 豆 Soybean		
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单 产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单 产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单 产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	543	2000	3686	123435	331361	2685	119549	321281	2687
济南市 Jinan				6966	18211	2614	6489	17070	2631
青岛市 Qingdao	117	532	4531	4077	9559	2345	4070	9540	2344
淄博市 Zibo				843	2352	2789	800	2308	2883
枣庄市 Zaozhuang	4	23	5836	6436	19342	3005	6261	18858	3012
东营市 Dongying				3726	7399	1986	3456	6967	2016
烟台市 Yantai	191	788	4127	9535	24174	2535	8584	21249	2475
潍坊市 Weifang	35	89	2574	4069	11771	2893	4021	11657	2899
济宁市 Jining	28	112	3966	20523	59851	2916	20305	59276	2919
泰安市 Tai'an				11193	31886	2849	11085	31601	2851
威海市 Weihai				5012	12524	2499	4998	12497	2501
日照市 Rizhao	81	233	2878	3494	9992	2859	3173	9089	2864
莱芜市 Laiwu				224	548	2443	224	548	2443
临沂市 Linyi	77	183	2372	20807	48632	2337	20398	47683	2338
德州市 Dezhou				1410	3876	2749	1341	3582	2671
聊城市 Liaocheng				3992	10639	2665	3813	10194	2673
滨州市 Binzhou				2615	6113	2338	2533	5972	2357
菏泽市 Heze	9	40	4309	18512	54493	2944	17997	53192	2956

13—10 续表 5 continued

地区 Region	3.薯类(按折粮薯类计算) Tubers			二、油 料 Oil-bearing Crops			#花生果 Peanuts		
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单 产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单 产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单 产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	102601	814690	7940	725196	3183002	4389	709232	3135284	4421
济南市 Jinan	6621	42782	6462	9954	35927	3609	8710	33055	3795
青岛市 Qingdao	2947	22453	7620	80138	383668	4788	80138	383668	4788
淄博市 Zibo	1721	11655	6773	4455	15474	3473	4423	15430	3488
枣庄市 Zaozhuang	5224	47789	9148	21129	88202	4174	19117	80048	4187
东营市 Dongying	169	1443	8536	1272	3928	3089	1245	3883	3118
烟台市 Yantai	7901	59421	7520	99987	422021	4221	99953	421834	4220
潍坊市 Weifang	4639	36488	7865	44923	204949	4562	44846	204800	4567
济宁市 Jining	12309	109892	8927	37237	161861	4347	37037	161261	4354
泰安市 Tai'an	6161	37276	6050	49460	222396	4496	49122	221382	4507
威海市 Weihai	4086	34341	8405	54462	211954	3892	54462	211954	3892
日照市 Rizhao	7307	64868	8878	59161	253514	4285	59155	253496	4285
莱芜市 Laiwu	2396	20503	8557	10897	24079	2210	10880	24058	2211
临沂市 Linyi	35243	280130	7949	180811	860169	4757	180016	857334	4763
德州市 Dezhou	881	7881	8950	3761	16831	4475	2406	11504	4781
聊城市 Liaocheng	1253	10202	8142	10620	44642	4204	9956	43215	4341
滨州市 Binzhou	378	3877	10255	3492	11875	3401	3103	11025	3553
菏泽市 Heze	3365	23690	7040	53437	221511	4145	44662	197338	4419

13–10 续表 6 continued

地区 Region	#油菜籽 Rapeseeds			#芝麻 Sesame			三、棉花 Cotton		
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)
全省总计 Total	8048	21235	2638	391	662	1693	174667	207000	1185
济南市 Jinan	953	2096	2199	119	220	1843	1953	2023	1036
青岛市 Qingdao							328	420	1278
淄博市 Zibo				5	4	929	960	1192	1242
枣庄市 Zaozhuang	1637	4056	2477	48	43	896	1319	1679	1273
东营市 Dongying	14	27	1965	10	15	1439	23558	26629	1130
烟台市 Yantai		1	7050				70	82	1176
潍坊市 Weifang	30	65	2157	46	85	1848	9384	10192	1086
济宁市 Jining	133	440	3300	7	15	2181	29576	36413	1231
泰安市 Tai'an	291	789	2712	14	22	1538	2997	3723	1242
威海市 Weihai									
日照市 Rizhao	6	18	3018				323	364	1128
莱芜市 Laiwu				6	9	1613	837	965	1153
临沂市 Linyi	738	1455	1970	2	3	1475	2680	3431	1280
德州市 Dezhou							11819	15819	1338
聊城市 Liaocheng	367	1161	3166	2	2	1248	5057	5818	1151
滨州市 Binzhou	53	116	2204	31	37	1200	30319	30299	999
菏泽市 Heze	3825	11009	2878	101	207	2038	53489	67951	1270

13–10 续表 7 continued

地区 Region	四、烟叶 Tobacco			#烤烟 Cigarettes			五、药材播种面积(公顷) Sown Area of Medical Materials (hectare)
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	单产(千克/公顷) Output per Hectare (kg/hectare)	
全省总计 Total	21388	56953	2663	21384	56953	2663	30451
济南市 Jinan							915
青岛市 Qingdao	298	783	2624	298	783	2624	103
淄博市 Zibo	132	288	2189	132	288	2189	1509
枣庄市 Zaozhuang							376
东营市 Dongying							253
烟台市 Yantai							162
潍坊市 Weifang	8381	23102	2757	8381	23102	2757	1412
济宁市 Jining							1046
泰安市 Tai'an	3	7	2745	3	7	2745	1230
威海市 Weihai							2866
日照市 Rizhao	3119	8350	2677	3119	8350	2677	2771
莱芜市 Laiwu	1322	2749	2080	1322	2749	2080	781
临沂市 Linyi	8134	21674	2665	8131	21674	2666	10014
德州市 Dezhou							490
聊城市 Liaocheng							649
滨州市 Binzhou							1050
菏泽市 Heze							4821

13-10 续表 8 continued

地区 Region	六、蔬菜及食用菌 Vegetable and Edible Fungi		#马铃薯 Potato		七、瓜果类 Melon	
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)
全省总计 Total	1462041	81337705	140609	6337323	214952	11567237
济南市 Jinan	88569	5916255	4298	167689	10918	641146
青岛市 Qingdao	106473	6277779	24790	1141882	8039	436517
淄博市 Zibo	23649	1589355	989	33926	1576	85799
枣庄市 Zaozhuang	91087	4995215	38753	1821206	3921	200822
东营市 Dongying	11697	690788	2	88	4530	209252
烟台市 Yantai	37186	2051414	2394	99843	5444	280422
潍坊市 Weifang	194152	12386474	19405	918054	40143	2257792
济宁市 Jining	163672	6876377	9366	375287	19900	1049009
泰安市 Tai'an	106116	6173286	17422	860510	1463	76831
威海市 Weihai	18866	926767	2200	81288	2583	142592
日照市 Rizhao	17951	1045059	1289	62507	1931	109336
莱芜市 Laiwu	22937	1288800	2000	55945	147	9253
临沂市 Linyi	133105	7268324	11951	423440	15951	891226
德州市 Dezhou	98756	6039746	1059	53276	4945	289050
聊城市 Liaocheng	141289	7912314	1010	57446	16657	944218
滨州市 Binzhou	34438	1867053	2406	126704	17738	911392
菏泽市 Heze	172097	8032698	1275	58231	59066	3032579

13-10 续表 9 continued

地区 Region	#西瓜 Watermelon		#香瓜(甜瓜) Muskmelon		八、其它农作物播种面积(公顷) Sown Area of Other Farm Crops (hectare)	#青饲料播种面积 Fresh Feed Succulence
	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)	播种面积(公顷) Sown Area (hectare)	总产量(吨) Total Output (ton)		
全省总计 Total	158624	8867900	36950	1790916	23455	3678
济南市 Jinan	8148	509095	1845	91651	1696	960
青岛市 Qingdao	4223	268769	2622	121572		
淄博市 Zibo	1373	77477	84	3726		
枣庄市 Zaozhuang	2809	159016	450	22161	41	
东营市 Dongying	3983	186701	389	17397	1318	1318
烟台市 Yantai	2961	165160	792	33948	386	4
潍坊市 Weifang	27274	1577072	6504	359560	6232	
济宁市 Jining	12684	747359	6245	261687	514	181
泰安市 Tai'an	976	52681	327	16431	3561	
威海市 Weihai	1323	79747	313	13872	53	
日照市 Rizhao	943	53860	122	6313	1286	
莱芜市 Laiwu	69	5119	15	551		
临沂市 Linyi	9388	560581	1983	106333	2969	21
德州市 Dezhou	4691	276175	182	9551		
聊城市 Liaocheng	10870	623113	5726	318664	264	11
滨州市 Binzhou	17017	892976	277	11339	1499	1027
菏泽市 Heze	49892	2632998	9075	396159	3637	157

13-11 各市茶叶、水果生产情况(2017年)
Production of Tea and Fruits by Region(2017)

单位:吨 (ton)

地区 Region		茶叶产量 Output of Tea	水果产量 Output of Fruits	苹果 Apple	梨 Pear	葡萄 Grape	桃 Peach	杏 Apricot	红枣 Jujube
全省总计	Total	19501	16475779	9395202	1037279	1098698	2946480	131899	831929
济南市	Jinan	12	431460	185873	39826	30016	131005	7510	10206
青岛市	Qingdao	4399	750523	360116	79243	168758	89518	9410	929
淄博市	Zibo	40	865910	454297	10639	101282	225159	2365	2724
枣庄市	Zaozhuang	5	248326	39081	12909	9631	94593	1918	12249
东营市	Dongying		77076	44704	6863	11821	4125	231	9272
烟台市	Yantai	642	6235853	5343973	234634	309100	77651	8769	929
潍坊市	Weifang	461	843194	227964	50750	98523	272411	4584	14034
济宁市	Jining	11	290598	71270	18433	102513	61986	6369	13543
泰安市	Tai'an	610	533748	200983	25507	15659	134395	37173	25493
威海市	Weihai	480	1107951	996498	34067	34076	23304	244	147
日照市	Rizhao	10557	259846	126458	9475	5910	91719	1110	658
莱芜市	Laiwu	342	201817	40485	6052	1852	101257	3421	1605
临沂市	Linyi	1943	2365410	566127	33893	98928	1479816	27364	11964
德州市	Dezhou		333401	61026	32936	21347	31582	2456	177202
聊城市	Liaocheng		475911	280948	106614	34204	28668	6222	2446
滨州市	Binzhou		960316	110372	252503	10428	29543	9860	545877
菏泽市	Heze		494440	285027	82934	44650	69748	2892	2650

注:本表数据系与第三次农业普查衔接数据。
a)Data in this table are consistent with those obtained from the Third Agricultural Census.

13-11 续表 continued

单位:公顷 (hectare)

地区 Region		柿子(吨) Persimmon (ton)	山楂(吨) Hawthorn (ton)	其它(吨) Others (ton)	年末实有果园面积 Orchard Area at the Year-end	#苹果园 Apple	梨园 Pear	葡萄园 Grape	桃园 Peach
全省总计	Total	115296	277474	641522	579406	265364	34346	37771	111093
济南市	Jinan	2283	5454	19286	31559	11756	1434	970	4916
青岛市	Qingdao	2166	2938	37446	27916	10499	2561	5235	4351
淄博市	Zibo	7225	8746	53473	26290	12367	446	2668	7380
枣庄市	Zaozhuang	9009	3597	65338	15916	1277	465	612	4350
东营市	Dongying			60	4354	2244	293	399	465
烟台市	Yantai	9051	1679	250068	167915	131243	7412	11172	3041
潍坊市	Weifang	27578	102516	44835	32534	6865	1548	3028	12206
济宁市	Jining	3025	4325	9134	19075	3260	741	3310	4056
泰安市	Tai'an	5976	15251	73310	27832	7966	964	603	6102
威海市	Weihai	986	149	18479	33065	26999	1492	1615	996
日照市	Rizhao	7023	2672	14821	19632	6717	398	447	6220
莱芜市	Laiwu	21702	20487	4957	9431	1781	257	93	3437
临沂市	Linyi	13753	105100	28466	82042	18931	1287	2969	47014
德州市	Dezhou	356	1312	5183	11851	1923	1036	677	1049
聊城市	Liaocheng	622	2545	13641	19196	9471	4298	2042	2295
滨州市	Binzhou	1133	431	170	34702	3024	7294	362	990
菏泽市	Heze	3410	272	2857	16095	9041	2420	1569	2225

13-12 各市林业生产情况(2017年)
Production of Forestry by Region(2017)

地区 Region	按主要林种用途分(公顷) by Purpose of Major Forest Types(hectare)			主要林产品产量(吨) Output of Major Forestry Products(ton)		农村集体、农民采伐木材消耗蓄积量(立方米) Volume of Timber Consumption Cut by Rural Collective and Households (cu.m)
	用材林 Forest for Timber	经济林 Economic Forest	防护林 Protection Forest	核桃 Walnut	板栗 Chestnut	
全省总计 Total	**20805**	**27941**	**42713**	**168048**	**271215**	**3869268**
济南市 Jinan	393	917	356	32271	14100	153496
青岛市 Qingdao	514	1658	157	677	2430	150407
淄博市 Zibo	134	695	3702	7624	5536	36785
枣庄市 Zaozhuang	40	930	1533	6439	7566	36599
东营市 Dongying	258	660	8254	50		41888
烟台市 Yantai	245	1676	656	2689	16998	27270
潍坊市 Weifang	589	1315	651	10858	27410	447999
济宁市 Jining	909	1531	2805	16309	7760	377739
泰安市 Tai'an	266	2070	1457	56882	43657	251869
威海市 Weihai	127	1063	1026	48	10651	11277
日照市 Rizhao	207	2138	1698	4907	37136	42569
莱芜市 Laiwu	227	934	1193	2187	14534	32704
临沂市 Linyi	1287	4281	1958	24964	83433	444180
德州市 Dezhou	4539	1984	5856	1029		240955
聊城市 Liaocheng	9029	3103	4624	146		400361
滨州市 Binzhou	1099	559	4131	371	4	310272
菏泽市 Heze	942	2427	2656	597		862898

13-12 续表 continued

单位:公顷 (hectare)

地区 Region	营林情况 Forestation			
	当年人工造林面积 Forested Area in the Year	零星植树(万株) Surrounding Tree Planting (10000 trees)	育苗面积 Area of Nursery Garden	森林抚育面积 Laid out Area of Forest Tending
全省总计 Total	**92306**	**15073**	**192221**	**230031**
济南市 Jinan	1721	1301	10645	1960
青岛市 Qingdao	2329	595	14302	15000
淄博市 Zibo	4531	545	6205	6377
枣庄市 Zaozhuang	2503	734	3510	14674
东营市 Dongying	9172	192	11078	6568
烟台市 Yantai	2618	358	6615	14298
潍坊市 Weifang	2586	1715	20060	3077
济宁市 Jining	5481	1555	32352	19444
泰安市 Tai'an	3793	1046	26086	24035
威海市 Weihai	2216	26	2736	11213
日照市 Rizhao	4043	319	1223	3401
莱芜市 Laiwu	2354	200	530	4415
临沂市 Linyi	7600	1313	11644	14020
德州市 Dezhou	12504	1188	10417	46672
聊城市 Liaocheng	16792	2550	7488	19318
滨州市 Binzhou	5886	459	19106	8936
菏泽市 Heze	6177	976	8224	16623

13-13 各市畜牧业生产情况(2017年)
Production of Animal Husbandry by Region(2017)

地区 Region	大牲畜年末存栏(万头) Stocked Large Livestock at Year-end (10000 heads)	#牛 Cattle	猪年末存栏(万头) Stocked Pigs at Year-end (10000 heads)	羊年末存栏(万只) Stocked Sheep and Goats at Year-end (10000 heads)	家禽年末存栏(万只) Stocked Poultry at Year-end (10000 heads)	兔年末存栏(万只) Stocked Hare at Year-end (10000 heads)
全省总计 Total	413.78	401.48	3040.33	1754.05	76604.46	1531.15
济南市 Jinan	31.63	31.36	120.13	96.60	2468.54	18.35
青岛市 Qingdao	17.40	17.40	166.62	27.31	4930.03	93.89
淄博市 Zibo	12.97	12.96	43.09	37.59	1583.65	42.07
枣庄市 Zaozhuang	5.77	5.64	77.86	74.54	1584.74	94.86
东营市 Dongying	14.22	14.12	51.10	96.17	1954.57	3.51
烟台市 Yantai	12.87	12.78	240.42	40.75	6401.88	17.62
潍坊市 Weifang	18.31	18.15	389.01	82.83	10165.63	43.13
济宁市 Jining	24.72	24.65	221.36	186.57	3963.29	218.61
泰安市 Tai'an	16.00	15.87	116.09	93.29	2622.33	48.64
威海市 Weihai	5.36	5.36	84.45	13.26	2339.52	11.24
日照市 Rizhao	8.01	7.98	112.21	38.66	2648.06	64.50
莱芜市 Laiwu	1.75	1.75	34.63	22.38	934.89	56.00
临沂市 Linyi	27.24	27.21	465.19	185.52	7300.64	447.54
德州市 Dezhou	111.30	108.40	336.97	153.71	5926.92	30.74
聊城市 Liaocheng	17.92	11.21	150.61	83.52	9562.10	18.93
滨州市 Binzhou	56.81	56.30	99.94	70.97	4847.51	37.21
菏泽市 Heze	31.50	30.34	330.66	450.36	7370.16	284.30

13-13 续表 1 continued

地区 Region	牛当年出栏(万头) Slaughtered Cattle in the Year (10000 heads)	猪当年出栏(万头) Slaughtered Pigs in the Year (10000 heads)	羊当年出栏(万只) Slaughtered Sheep and Goats in the Year (10000 heads)	家禽当年出栏(万只) Slaughtered Poultry in the Year (10000 heads)	兔当年出栏(万只) Slaughtered Hare in the Year (10000 heads)
全省总计 Total	361.57	5180.69	2629.76	220423.34	3402.03
济南市 Jinan	26.52	198.43	153.23	5386.04	44.27
青岛市 Qingdao	11.58	267.81	32.35	15220.98	394.42
淄博市 Zibo	10.27	75.94	48.07	4834.72	140.88
枣庄市 Zaozhuang	6.24	133.42	131.18	4519.91	188.10
东营市 Dongying	10.70	81.08	200.60	6294.23	8.01
烟台市 Yantai	9.83	403.95	47.68	18257.71	15.05
潍坊市 Weifang	17.68	708.18	125.72	37218.52	194.88
济宁市 Jining	25.00	416.54	286.41	11042.12	947.27
泰安市 Tai'an	18.58	258.30	171.98	9080.68	138.28
威海市 Weihai	4.09	127.00	15.75	5857.67	11.95
日照市 Rizhao	6.74	187.82	54.10	8910.00	167.75
莱芜市 Laiwu	1.32	48.66	28.84	2260.49	90.22
临沂市 Linyi	27.53	774.59	251.54	19740.51	684.25
德州市 Dezhou	88.58	560.60	196.09	13935.88	59.52
聊城市 Liaocheng	11.08	270.24	130.58	26722.16	59.12
滨州市 Binzhou	53.56	153.82	116.84	13984.10	89.71
菏泽市 Heze	32.28	514.30	638.82	17157.62	168.36

13-13 续表 2 continued

单位:吨 (ton)

地区 Region	肉类总产量 Output of Meat	#牛肉 Beef	#猪肉 Pork	#羊肉 Mutton	#禽肉 Poultry Meat	奶类产量 Output of Milk	#牛奶 Cow Milk
全省总计 Total	**8660061**	**759289**	**4274411**	**360278**	**3205520**	**2313161**	**2235439**
济南市 Jinan	325036	57207	168054	21300	77809	263642	263638
青岛市 Qingdao	506903	24836	226033	4539	245578	269913	239658
淄博市 Zibo	156487	21916	63686	6569	62533	82777	82440
枣庄市 Zaozhuang	207408	12994	110781	16388	64177	39260	39195
东营市 Dongying	202925	21665	64056	27777	89098	332621	332621
烟台市 Yantai	665012	21571	341361	7901	293974	150494	126155
潍坊市 Weifang	1219013	38115	591915	18072	567523	172224	165487
济宁市 Jining	602065	53458	347474	37469	149972	90828	90449
泰安市 Tai'an	405177	40202	213930	24773	121378	279152	279152
威海市 Weihai	199043	8856	104275	2207	83077	102043	89694
日照市 Rizhao	277604	13257	138275	7441	117021	23686	23665
莱芜市 Laiwu	77148	2739	38852	3962	30422	1647	1647
临沂市 Linyi	996855	54501	609701	34276	288942	94810	91740
德州市 Dezhou	848513	180629	453294	25620	187437	190654	190650
聊城市 Liaocheng	676451	23291	238321	20078	388385	93005	92845
滨州市 Binzhou	476178	114106	130122	15801	214513	53197	53197
菏泽市 Heze	818244	69946	434280	86104	223680	73207	73207

13-13 续表 3 continued

单位:吨 (ton)

地区 Region	羊毛产量 Output of Wool	山羊毛 Goat Wool	绵羊毛 Sheep Wool	禽蛋产量 Poultry Eggs	蚕茧产量 Output of Cocoon	#桑蚕茧 Cocoon	#柞蚕茧 Oak Cocoon
全省总计 Total	**10332**	**3358**	**6974**	**4451486**	**15407**	**15362**	**44**
济南市 Jinan	637	300	337	394001			
青岛市 Qingdao	2	2	0	211187	4	4	
淄博市 Zibo	92	52	40	72641	1425	1425	
枣庄市 Zaozhuang	266	162	103	133707			
东营市 Dongying	128	17	112	68729	4	4	
烟台市 Yantai	160	3	157	286393	357	335	21
潍坊市 Weifang	830	94	736	255702	1188	1188	
济宁市 Jining	1390	508	881	419794	13	13	
泰安市 Tai'an	769	98	671	242826	2987	2987	
威海市 Weihai				175889	124	123	0
日照市 Rizhao	21	10	11	93043	2920	2897	23
莱芜市 Laiwu	150	79	71	39182	149	149	
临沂市 Linyi	659	476	184	325473	1521	1521	
德州市 Dezhou	161	67	94	435865			
聊城市 Liaocheng	930	131	799	470233			
滨州市 Binzhou	363	53	309	234149	20	20	
菏泽市 Heze	3773	1304	2469	592671	4695	4695	

13-14 各市水产品产量和养殖面积(2017年)
Output and Breeding Area of Aquatic Products by Region (2017)

地区 Region	水产品总产量(吨) Total Aquatic Products (ton)	海水产品 Seawater Aquatic products	海洋捕捞 Ocean Fishing	海水养殖 Seawater Cultured	淡水产品产量 Freshwater Aquatic Products
全省总计 Total	8680030	7371727	2180891	5190836	1308303
济南市 Jinan	41279				41279
青岛市 Qingdao	1138087	1130153	315225	814928	7934
淄博市 Zibo	20112				20112
枣庄市 Zaozhuang	82357				82357
东营市 Dongying	542194	449015	68949	380066	93179
烟台市 Yantai	1872313	1853287	547821	1305466	19026
潍坊市 Weifang	512658	462914	137511	325403	49744
济宁市 Jining	329718				329718
泰安市 Tai'an	82390				82390
威海市 Weihai	2657053	2630611	867784	1762827	26442
日照市 Rizhao	550293	519253	181867	337386	31040
莱芜市 Laiwu	3539				3539
临沂市 Linyi	129975				129975
德州市 Dezhou	75983				75983
聊城市 Liaocheng	68986				68986
滨州市 Binzhou	470866	321194	56434	264760	149672
菏泽市 Heze	96927				96927
省属远洋捕捞企业 Provincial Ocean Fishing Enterprises	5300	5300	5300		

13-14 续表 continued

地区 Region	内陆捕捞 Landlocked Fishing	内陆养殖 Landlocked Cultured	水产品养殖面积(公顷) Breeding Area of Aquatic Products (hectare)	海水养殖 Seawater Cultured	内陆养殖 Landlocked Cultured
全省总计 Total	83730	1224573	833586	610377	223209
济南市 Jinan	301	40978	6673		6673
青岛市 Qingdao		7934	34941	32403	2538
淄博市 Zibo	438	19674	3677		3677
枣庄市 Zaozhuang	3010	79347	10794		10794
东营市 Dongying	3383	89796	141209	122069	19140
烟台市 Yantai	2855	16171	199159	192314	6845
潍坊市 Weifang	1078	48666	80864	65526	15338
济宁市 Jining	31077	298641	59154		59154
泰安市 Tai'an	16992	65398	8912		8912
威海市 Weihai		26442	82352	79122	3230
日照市 Rizhao	130	30910	56806	44663	12143
莱芜市 Laiwu	318	3221	1937		1937
临沂市 Linyi	8112	121863	24933		24933
德州市 Dezhou	1104	74879	8509		8509
聊城市 Liaocheng	3232	65754	7259		7259
滨州市 Binzhou	2296	147376	89222	74280	14942
菏泽市 Heze	9404	87523	17185		17185
省属远洋捕捞企业 Provincial Ocean Fishing Enterprises					

13-15 主要农业机械年末拥有量
Major Agricultural Machinery at the Year-end

类 别	单位	Category	Unit	2016	2017
农业机械总动力	**(万千瓦)**	**total power of agricultural machinery**	**(10000 kw)**	**9786.49**	**10144.05**
一、拖拉机及配套机械		**Tractors and related machinery**			
拖拉机	(万台)	Tractor	(10000 units)	246.41	247.97
	(万千瓦)		(10000 kw)	3806.35	3992.18
#大中型(14.7千瓦及以上)	(万台)	Large and Medium-sized(14.7 kw and above)	(10000 units)	57.18	60.40
	(万千瓦)		(10000 kw)	2218.20	2416.62
拖拉机配套农具	(万部)	Tractor Supporting Tools	(10000 units)	432.44	430.86
#大中型	(万部)	Large and Medium-sized	(10000 units)	107.94	110.26
二、种植业机械		**Farming Machinery**			
机引犁	(万台)	Mechanical Power Plow	(10000 units)	143.23	141.37
旋耕机	(万台)	Rotary Tiller	(10000 units)	33.11	33.98
播种机	(万台)	Seeder	(10000 units)	73.66	74.86
农用水泵	(万台)	Agricultural Water-pump	(10000 units)	294.93	294.85
节水灌溉类机械	(万套)	Water-saving Irrigation Machinery	(10000 units)	52.35	52.68
机动喷雾(粉)机	(万台)	Mobile Spray (Powder) Machinery	(10000 units)	51.02	51.57
	(万千瓦)		(10000 kw)	111.91	117.38
联合收获机	(万台)	Combine Harvester	(10000 units)	29.11	30.54
	(万千瓦)		(10000 kw)	1309.41	1443.17
#玉米联合收获机	(万台)	Corn Combine Harvester	(10000 units)	11.62	12.45
秸秆粉碎还田机	(万台)	Straw crushing Machinery	(10000 units)	11.48	12.46
机动脱粒机	(万台)	Thresher	(10000 units)	39.29	39.45
三、畜牧养殖机械	**(万台)**	**Animal Husbandry Machinery**	**(10000 units)**	**22.78**	**23.06**
	(万千瓦)		(10000 kw)	133.10	135.82
四、渔业机械	**(万台)**	**Fishery Machinery**	**(10000 units)**	**14.71**	**14.85**
	(万千瓦)		(10000 kw)	235.85	236.82
五、林果业机械	**(万台)**	**Fruit Industry Machinery**	**(10000 units)**	**1.41**	**1.44**
	(万千瓦)		(10000 kw)	8.33	8.54
六、农产品初加工机械		**Agricultural Products Primary Processing Machinery**			
农产品初加工动力机械	(万台)	Agricultural Products Primary Processing Power Machinery	(10000 units)	101.08	101.00
	(万千瓦)		(10000 kw)	921.67	921.99
农产品初加工作业机械	(万台)	Agricultural Products Primary Processing Operating Machinery	(10000 units)	51.17	51.31
七、农田基本建设机械	**(万台)**	**Farmland Capital Construction Machinery**	**(10000 units)**	**4.29**	**4.32**
	(万千瓦)		(10000 kw)	286.60	288.14
八、其他机械		**Other Machinery**			
#农用飞机	(架)	Agricultural Aircraft	(unit)	357	1247
农业机械原值	**(亿元)**	**Total Value of Agricultural Machinery**	**(100 million Yuan)**	**738.67**	**796.90**

13—16 各市主要农业机械年末拥有量(2017年)

Number of Major Agricultural Machinery at the Year-end by Region(2017)

地区 Region	农业机械总动力(千瓦) total power of agricultural machinery (kw)	#拖拉机及配套机械 Tractors and related machinery			#联合收获机 Combine Harvester		农业机械原值(万元) Total Value of Agricultural Machinery (10000 yuan)
		拖拉机 Tractor		拖拉机配套农具 Tractor Supporting Tools			
		(台) (unit)	(千瓦) (kw)	(部) (unit)	(台) (unit)	(千瓦) (kw)	
全省总计 Total	**101440478**	**2479695**	**39921706**	**4388587**	**305418**	**14431728**	**7968966**
济南市 Jinan	4428957	51508	1275232	93256	13948	688971	341168
青岛市 Qingdao	7279594	214799	3550005	411893	18143	992302	524391
淄博市 Zibo	2548286	25364	850835	51940	8997	407973	275919
枣庄市 Zaozhuang	2901084	37499	1103358	118175	12609	787672	301659
东营市 Dongying	2456922	56314	1182198	123146	8565	405052	275041
烟台市 Yantai	7543588	279688	3011272	364941	10289	501776	628650
潍坊市 Weifang	9789566	179049	3267626	281815	25719	1550716	930697
济宁市 Jining	8766807	106248	2749397	216952	35017	1129224	595237
泰安市 Taian	5054160	88473	1739714	160516	20590	611382	392218
威海市 Weihai	5151362	288770	2613629	511311	5461	194835	342876
日照市 Rizhao	2784676	156052	1277173	506999	2375	116258	292798
莱芜市 Laiwu	874245	24840	336770	31526	977	18116	73054
临沂市 Linyi	7438172	484091	5112710	628983	16518	815422	675565
德州市 Dezhou	11610754	248440	4704693	314279	39301	1948855	784926
聊城市 Liaocheng	9445320	75730	2265167	144769	31847	1510307	557803
滨州市 Binzhou	4380931	79357	1791950	146081	18956	769702	313837
菏泽市 Heze	8986055	83473	3089979	202005	36106	1983166	663127

13-17 各市地类面积(2016年)
Land Category Area by Region(2016)

单位:公顷 (hectare)

地 区 Region		农用地 Agricultural Land	#耕地 Cultivated Land	#水浇地 Irrigated Land	#园 地 Garden Land	#牧草地 Grazing and Pasture Land
全省总计	**Total**	**11514295**	**7606952**	**5151903**	**717643**	**5754**
济南市	Jinan	538672	357601	263310	25957	
青岛市	Qingdao	800088	519196	245379	37616	
淄博市	Zibo	416198	208681	137845	58513	
枣庄市	Zaozhuang	329692	236316	126437	14637	
东营市	Dongying	428438	228219	167060	4279	5595
烟台市	Yantai	1058330	445567	142537	230907	81
潍坊市	Weifang	1157375	794811	482765	58059	
济宁市	Jining	770437	605254	455729	9329	
泰安市	Tai'an	583789	364031	223657	39685	
威海市	Weihai	442019	194649	26597	35448	63
日照市	Rizhao	421718	238600	53585	25808	
莱芜市	Laiwu	146017	72803	35563	15780	
临沂市	Linyi	1317067	838251	327165	102205	
德州市	Dezhou	813613	643245	642872	13767	
聊城市	Liaocheng	694482	564753	564313	9876	
滨州市	Binzhou	634867	465638	434184	29161	9
菏泽市	Heze	961493	829335	822905	6616	6

13-18 各市灌溉面积(2017年)
Irrigated Area by Region(2017)

单位:千公顷 (1000 hectares)

地 区 Region		有效灌溉面积 Effective Irrigated Area	#当年实灌 Irrigated in the Year	林地灌溉面积 Irrigated Area of Forest Lands	果园灌溉面积 Irrigated Area of Orchard
全省总计	**Total**	**5191.06**	**4789.05**	**209.39**	**362.28**
济南市	Jinan	256.58	247.02	9.74	7.31
青岛市	Qingdao	329.62	280.14	16.75	28.93
淄博市	Zibo	127.13	126.89	5.28	40.43
枣庄市	Zaozhuang	163.97	126.59	3.23	9.87
东营市	Dongying	189.91	179.28	8.82	5.36
烟台市	Yantai	247.08	214.58	5.16	73.39
潍坊市	Weifang	530.53	488.09	32.24	44.06
济宁市	Jining	473.93	457.18	14.24	8.38
泰安市	Tai'an	245.93	234.21	5.78	15.49
威海市	Weihai	126.20	100.03	1.05	19.32
日照市	Rizhao	112.50	77.15	6.16	10.80
莱芜市	Laiwu	37.40	34.59	0.40	3.56
临沂市	Linyi	355.43	293.26	19.78	35.24
德州市	Dezhou	503.80	501.03	29.51	16.29
聊城市	Liaocheng	480.94	480.94	9.42	9.44
滨州市	Binzhou	378.89	351.43	8.89	11.95
菏泽市	Heze	631.22	596.64	32.94	22.46

13-19 各市农村电气化和农业化学化情况(2017年)
Rural Electrification and Agriculture Chemicals by Region(2017)

单位:吨 (ton)

地区 Region	农用化肥施用量(实物量) Consumption of Chemical Fertilizer (physical volume)	氮肥 Nitrogenous Fertilizer	磷肥 Phosphate Fertilizer	钾肥 Potash Fertilizer	复合肥 Compound Fertilizer	农用化肥施用量(折纯量) Consumption of Chemical Fertilizer (convert to pure volume)	氮肥 Nitrogenous Fertilizer	磷肥 Phosphate Fertilizer
全省总计 Total	**13322798**	**4666407**	**2032826**	**1114504**	**5509061**	**4399594**	**1391591**	**452457**
济南市 Jinan	767459	327709	169226	47374	223151	209450	77110	31945
青岛市 Qingdao	749157	150983	55400	51356	491418	278251	43634	11292
淄博市 Zibo	295224	93006	36408	20405	145405	89353	25560	7021
枣庄市 Zaozhuang	613156	227846	49545	39464	296302	202377	68699	11191
东营市 Dongying	315371	127688	72525	18345	96813	101814	35793	16716
烟台市 Yantai	1085100	314109	129791	117812	523387	386233	104955	28528
潍坊市 Weifang	1335333	307581	120038	101955	805759	495900	95695	31420
济宁市 Jining	1125697	372396	177900	102757	472643	395477	124015	41875
泰安市 Tai'an	624049	230585	91037	68215	234213	194024	48945	18992
威海市 Weihai	364182	118847	43194	41467	160675	104933	29722	9144
日照市 Rizhao	323405	84749	30985	26747	180924	104419	25839	9084
莱芜市 Laiwu	121382	45630	14601	12131	49020	39629	11032	3097
临沂市 Linyi	1260846	456866	123717	129596	550668	354287	99623	26791
德州市 Dezhou	1025886	477749	189296	69830	289012	327840	150493	39133
聊城市 Liaocheng	1103102	431449	222836	92657	356160	405590	154560	63533
滨州市 Binzhou	635664	285318	97713	35833	216800	217562	83423	27831
菏泽市 Heze	1577785	613897	408616	138560	416712	492455	212493	74865

13-19 续表 continued

单位:吨 (ton)

地区 Region	钾肥 Potash Fertilizer	复合肥 Compound Fertilizer	农用塑料薄膜使用量 Plastic Film Consumption	地膜使用量 Film Consumption	农用柴油量 Diesel Consumption	农药施用量 Pesticides Consumption	地膜覆盖面积(公顷) Film Coverage (hectare)	农村用电量(万千瓦时) Electricity Consumption in Rural Area (10000 kwh)
全省总计 Total	**383260**	**2172287**	**287098**	**114244**	**1577460**	**140670**	**1989055**	**4884532**
济南市 Jinan	16186	84209	12612	3645	46326	2896	45382	244018
青岛市 Qingdao	15441	207885	18002	7833	183497	5962	144834	382437
淄博市 Zibo	6415	50358	7306	1502	18841	4682	22684	402158
枣庄市 Zaozhuang	13298	109189	8019	3294	15377	4183	33539	330198
东营市 Dongying	7330	41975	5150	3880	32493	4302	80794	45904
烟台市 Yantai	42397	210354	10376	7094	175475	19294	122420	1050856
潍坊市 Weifang	39724	329060	76822	14245	138179	13162	213536	662875
济宁市 Jining	38456	191131	11579	8239	100173	14392	142190	163039
泰安市 Tai'an	23697	102390	10094	4653	50820	6556	76646	110983
威海市 Weihai	14995	51072	3445	2213	254828	8056	31107	152197
日照市 Rizhao	9749	59746	6576	4234	214333	3812	84426	105075
莱芜市 Laiwu	5004	20496	2444	1572	9757	1124	25195	76070
临沂市 Linyi	37879	189994	45166	18794	90464	14511	309814	312731
德州市 Dezhou	23218	114996	16437	8665	58621	10399	226909	129413
聊城市 Liaocheng	34696	152802	23828	6422	72803	8371	124814	146814
滨州市 Binzhou	13163	93145	5414	4018	31247	7671	84884	105783
菏泽市 Heze	41613	163484	23829	13941	84227	11299	219882	463983

主要统计指标解释

农林牧渔业总产值 指以货币表现的农、林、牧、渔业全部产品和对农林牧渔业生产活动进行的各种支持性服务活动的价值总量，它反映一定时期内农林牧渔业生产总规模和总成果。1957年以前的农林牧渔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，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，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，执行新的国民经济行业分类标准，农林牧渔业总产值中包括了农林牧渔服务业产值。林业中增加了森林采运业产值。农业中取消了家庭兼营商品性工业产值，将野生林产品的采集划归林业。

农林牧渔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相加即为农林牧渔业总产值。

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，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。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年以前全国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。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、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；蛆、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。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，

根据国家统计局有关文件精神，从2000年起，对畜牧业年报数据与普查数据进行衔接。

期初(末)畜禽存栏头(只)数 指报告期初(末)农村各种合作经济组织和国营农场、农民个人、机关、团体、学校、工矿企业、部队等单位以及城镇居民饲养的大牲畜、猪、羊、家禽等畜禽的存栏数。数据上报方式及数据调整情况同猪、牛、羊肉产量。

农作物播种面积 指实际播种或移植有农作物的面积。凡是实际种植有农作物的面积，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。它是反映我国耕地面积利用情况的一个重要指标。目前，农作物播种面积主要包括粮食、棉花、油料、糖料、麻类、烟叶、蔬菜和瓜类、药材和其他农作物九大类。

有效灌溉面积 指具有一定的水源，地块比较平整，灌溉工程或设备已经配套，在一般年景下，当年能够进行正常灌溉的耕地面积。在一般情况下，有效灌溉面积应等于灌溉工程或设备已经配备，能够进行正常灌溉的水田和水浇地面积之和。它是反映我国耕地抗旱能力的一个重要指标。

农用化肥施用量 指本年内实际用于农业生产的化肥数量，包括氮肥、磷肥、钾肥和复合肥。化肥施用量要求按折纯量计算数量。折纯量是指把氮肥、磷肥、钾肥分别按含氮、含五氧化二磷、含氧化钾的百分之百成份进行折算后的数量。复合肥按其所含主要成分折算。公式为：

折纯量=实物量×某种化肥有效成份含量的百分比

农业机械总动力 指主要用于农、林、牧、渔业的各种动力机械的动力总和。包括耕作机械、排灌机械、收获机械、农用运输机械、植物保护机械、牧业机械、林业机械、渔业机械和其他农业机械〔内燃机按引擎马力折成瓦(特)计算、电动机按功率折成瓦(特)计算〕。不包括专门用于乡、镇、村、组办工业、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。这个指标的统计数据主要来源于农机部门。

Explanatory Notes on Main Statistical Indicators

Gross Output Value of Farming, Forestry, Animal Husbandry and Fishery refers to the total value of products of farming, forestry, animal husbandry and fishery, and total value of services rendered to support farming, forestry, animal husbandry and fishery activities. It reflects the total scale and results of agricultural production during a given period. Prior to 1957, China's gross agricultural output value included barnyard manure and handicraft products for self consumption (clothes, shoes, stockings, and initial grain processing undertaken by peasants). Since 1958, 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; self consumed handicrafts has been excluded from sideline occupations, while the output value of industries run by villages and cooperative organizations under village had been included in sideline occupations and the output value of fish catches by motor fishing boats has been added to fishery. Since 1980, the value of handicraft products made for sale by individuals in households had been added to sideline occupations. Since 1984, industries run by villages and under villages have been included in the sector of industry. Since 1993, the subdivision of sideline occupations has been canceled, and the hunting of wild animals has been classified into animal husbandry, and the gathering of wild plants and commodity industry run by rural household have been included in farming. A new industrial classification of economic activities was introduced in 2003. Under the new classification, value of services to farming, forestry, animal husbandry and fishery is included in the gross output value of agriculture, value of wood felling and transport is included in forestry, value of industrial output by rural households is not included in agriculture, and the collection of wild forest products is taken from agriculture and included in the forestry. The first agriculture census of China 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.

Gross output value of agriculture is obtained by first multiplying the output of each product or by product by its price, resulting in the output value of each single item. 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 is estimated through an indirect approach. The sum of output value of all products of farming, forestry, animal husbandry and fishery is then equal to the gross output value of agriculture.

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, 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) 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 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. Ceiba is not included.

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 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 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. Since 1999, NBS conducted sample survey for the major animal husbandry products, such as hogs, cattle, sheep and goats and fowls, and the data from sample surveys are used as national finalized data. Those products, which are not covered by the sample survey, are still reported by statistical agencies level by level.

Number of Livestock or Poultry in Stock at Beginning (or End) refers to the total number of large animals, pigs, sheep, fowls, etc. raised by rural cooperative organizations, state farms, rural individuals, government agencies, schools, industrial and mining enterprises, army, and urban residents at the beginning (or end) of the reference period. Data reporting system and data adjustment are the same as that in the output of pork, beef and mutton.

Sown Area of Crops refers to area of land sown or transplanted with crops regardless of being in cultivated area or non cultivated area. Area of land re sown due to natural disasters is also included. This is an important indicator that can reflect the

utilization condition of the cultivated land in China. At present, the sown area of crops mainly include the following 9 categories of crops: grain, cotton, oil bearing crops, sugar crops, fiber crops, Tobacco, Vegetables and melons, medicinal materials and other farm crops.

Irrigated Area refers to areas that are effectively irrigated, i.e. level land, which has water source and complete sets of irrigation facilities to lift and move adequate water for irrigation purpose under normal conditions. Under normal conditions, irrigated area is the sum of watered fields and irrigated fields where irrigation systems or equipment have been installed for regular irrigation purpose. This important indicator reflects drought resistance capacity of the cultivated land in China.

Consumption of Chemical Fertilizers In Agriculture refers to the quantity of chemical fertilizers applied in agriculture in the year, including nitrogenous fertilizer, phosphate fertilizer, potash fertilizer, and compound fertilizer. The consumption of chemical fertilizers is required in calculation to convert the gross weight into weight containing 100% effective component (e.g. 100% nitrogen content in nitrogenous fertilizer, 100% phosphorous pent oxide contents in phosphate fertilizer, 100% potassium oxide contents in potash fertilizer). Compound fertilizer is converted with its major component. The formula is:

Volume of effective component=physical quantity×effective component of certain chemical fertilizer (%)

Total Power of Farm Machinery refers to total mechanical power of machinery used in farming, forestry, animal husbandry, and fishery, including ploughing, irrigation and drainage, harvesting, transport, plant protection, stock breeding, forestry and fishery. The power of internal combustion engines is required to convert horsepower into watts and the power of electric motors is required to be converted into watts. Machinery employed for non agricultural purposes, such as the machines used in township run and village run industry, construction, non agricultural transport, scientific experiments and teaching, is excluded. Data are mainly from agricultural machinery agencies.