



# 5 Agriculture, Forestry and Fisheries





### *Introduction*

The first National Survey of Agriculture was conducted in the year 1339 by the Department of General Statistics of the time as sampling. After the implementation of several sample surveys of which the results for the years 1350 and 1351 were released, the SCI took the first census of agriculture in rural areas in the year 1352. In this census, the required data were collected through visiting all rural areas. Data on agricultural activities in urban areas and nomadic households with no residential place in rural areas of the country were not included in this survey. On the basis of the statistical frame resulted from the above census, the SCI conducted the Survey of Agriculture in rural areas in the years 1353, 1354, 1356 to 1359, as well as the years 1361 and 1366, and then released the results.

In the year 1360, by carrying out the project of preparing a rural gazetteer, Jihad-e-Sazandegi gathered similar information as the results of the 1352 Census of Agriculture in rural areas taken by the SCI.

The SCI conducted the first National Census of Agriculture in the year 1367 in urban and rural areas by visiting settled and unsettled households to collect data on all agricultural holdings of natural persons as well as data on holdings belonged to legal entities by identifying all places used by them for agricultural activities. Using the frame of this Census, the SCI took the first Sample Survey of Agriculture in the year 1371. Through the Survey, which covered only farming activities of agricultural holdings, data on production, value of products, production cost of principal crops etc. for the year 1370 were collected.

The second national census of agriculture was taken in the year 1372 by the SCI. In the census, some cities or urban districts in which the number of the holders' households was not significant in the 1367 Census were excluded. According to the

calculations, the proportion of urban holders' households, arable lands under crops, area with orchards and nurseries, and livestock were 1.7%, 2.5%, 3.2% and 1.3% of the total country in the year 1367.

In the year 1382, the third National Census of Agriculture was taken in collaboration with the Ministry of Jihad-e-Agriculture. In this census, all areas of the country, excluding 108 cities, were listed as the selected cities. In the year 1381, by using information available in the Ministry as well as conducting local researches, a list of agricultural holders of selected cities were prepared in the form of the project "Census of Agricultural Holders in Selected Cities".

In the year 1384, for the first time, Survey of Livestock Farms was conducted jointly by the SCI and the Ministry of Jihad-e-Agriculture based on the statistical frame developed from the 1382 National Census of Agriculture.

The 1393 National Census of Agriculture was the fourth one which was conducted through the Country from the 5<sup>th</sup> of Meher to 18<sup>th</sup> of Aban. The results of this Census comprises a wide range of statistical information which are published on various tables electronically and in a hard copy.

In the year 1369, statistics for modern cattle farms were, for the first time, collected by the SCI. In this project, the lists of modern cattle farms obtained from the 1367 National Census of Agriculture were used. The same survey was conducted in the year 1373, as a census, and as a sample survey in the years 1375, 1379 and 1386 by the SCI and in the year 1383 by Jihad-e-Agriculture, the results of which were disseminated.

Until the year 1346, statistics for the livestock slaughtering used to be released by the Statistics Bureau of the Finance Ministry. From 1347 to 1375, the related data were collected and released by the SCI through inquiring the municipalities or based on monthly reports of those having

slaughterhouses. Since 1376, the mentioned data have been collected from slaughterhouses in collaboration with the State Veterinary Organization and municipalities.

For the first time, in the years 1364 and 1365, the SCI took the survey of chicken farms. Due to the variety of chicken farming activities in recent years, the SCI has taken separate surveys to collect data on different activities - including a census on raising layer chicken and pullet, a census on raising breeder chicken, a census on incubation, and a sample survey on broiler chicken raising.

Until the year 1375, the value added table of agricultural activities in the previous yearbooks used to be prepared according to the Central Bank publications. However, as the SCI has compiled Iran's National Accounts based on 1993 SNA since the year 1370, statistics for value added included in this chapter are according to the national accounts produced by the SCI as of the year 1380.

In addition to different publications of the SCI, reports and publications of the following organizations have also been used as the source of the information included in this chapter:

Ministry of Jihad-e-Agriculture, Ministry of Energy, Agricultural Support Services Company, Iran Fisheries Organization (SHILAT), Forests, Range and Watershed Management Organization, Central Organization of Rural Cooperatives and Ministry of Cooperatives.

Statistical information included in this Chapter contain statistics on temporary crops and permanent crops, livestock and poultry, forestry, fisheries and related cooperatives. Moreover, end of this chapter include two tables on value added of "agriculture, hunting and forestry" and "Fishing" activities.

#### **Definitions and concepts**

**Agricultural holding:** all agricultural activities run by a single management is an agricultural production unit, which is called agricultural holding. This unit is managed by members of one or more households (natural persons) or by an authorized company or a public institution (legal entity). In the 1382 National Census of Agriculture, if activities of an agricultural production unit are performed within some

villages or cities limit, each unit located in a single village or city limit is considered an agricultural holding. In the mentioned census, holdings engaged in at least one activity matching one of following definitions were counted:

**Temporary crops:** holdings with at least 400 square meters of arable land at the time of enumeration.

**Permanent crops:** holdings with at least 200 square meters of orchards and nurseries at the time of enumeration.

**Raising of large livestock:** holdings raising large livestock (cows, buffaloes and camels) which have had at least one large livestock during the last 365<sup>(1)</sup> days.

**Raising of small livestock:** holdings raising small livestock (sheep and goats) which have had at least two small livestock during the last 365<sup>(1)</sup> days.

**Raising of poultry via traditional method:** holdings raising at least 10 hens, roosters, chickens or other types of poultry through traditional method, on the day of enumeration.

**Greenhouse production:** holdings having activity in this field in every size during the intended crop year.

**Sericulture and apiculture:** holdings having activity in this field in every size during the last 365 days.

**Agricultural holder:** is a natural or legal person who individually or jointly exercises management control over the agricultural holding. The holder has technical and economic responsibility for the holding as well as direct role in its profit and loss.

**Arable land:** land allocated to farming (cultivation of annual plants), either under cultivation or left fallow.

**Irrigated arable land:** is a cultivated land in which the crops growing are irrigated.

**Rainfed arable land:** cultivated lands that are not irrigated but left to be watered through precipitation.

**Area under cultivation:** area allocated to crop production in the year of the survey implementation that has been cultivated in the same year or the year before.

**Fallow:** the part of arable land, irrigated or rainfed, which is included in crop alternation, but has not been cultivated in the given agricultural

year and from which no crop would be harvested.

**Crop year:** begins on Mehr 1st and lasts until the end of Shahrivar in the next year.

**Annual crops:** mostly herbaceous plants whose stems are destroyed by harvesting and whose subterranean organs (as root, bulb, etc.) remain, in some cases, in the earth, like: wheat, sugar beet, vegetables and saffron.

**Perennial crops:** are plants with wooden stems or trunks, all or some parts of which will remain in the earth to crop the next year. Different types of fruit trees like citrus and peach trees, vines and tea plants as well as fruitless trees like poplar are considered as perennial crops.

**Modern irrigation and drainage network:** comprises installations for irrigating, draining and supplying water to arable lands with an area about 60 to 200 hectares. The network, equipped with systems for water control, distribution and measurement, procures water in normal hydrologic conditions with at least 80% guarantee.

**Dam:** see Chapter 9, Definitions and concepts.

**Production:** the quantity of the products obtained through the production process during a definite period of time in the agricultural production unit which is ready for sale and consumption. In the statistical surveys of the SCI, the share of agricultural crops produced free of charge, or the compensation of which is paid in kind or is consumed by the same agricultural production unit is included with the production.

For agricultural crops, production refers to the common form of the crop after harvesting: weight of paddy for rice production, weight of dried seed for beans, weight of dried forage in case of alfalfa, sainfoin and clover, weight of nuts peeled but in the shell in case of walnut, almond, and pistachio, and number of trees for fruitless trees as poplar.

**Modern cattle farm:** an agricultural production unit where cattle are raised according to modern procedures and methods with respect to the characteristics of the place, rearing, feeding, and health.

**Broiler chicken:** hen or rooster reared for its meat.

**Layer chicken:** these chickens, called pullet when three months old, are reared to produce edible

eggs.

**Shell-less eggs:** eggs lacking the outer hard shell.

**Breeder chickens:** fertile eggs of this breed are used to produce chickens. Breeder chickens of broiler and layer breeds are reared to produce chickens of the same breed.

**Production of one-day-old chickens:** through the processes of this activity, depending on the case, fertile eggs of layer and broiler chickens turn into one-day-old chickens of ancestor and breeder hens, roosters, layer and broiler breeds.

**Workers:** include all people working inside or outside of the establishment, full-time or part-time, with or without wage and salary (owners, active partners and unpaid family workers).

**Compensation of wage. salary earner:** wage, salary and other payments (money, goods, etc.) received by wage. salary earner.

**Wage and salary:** all payments in kind or in cash to the wage. salary earners by the establishments.

**Other payments (money, goods, etc.):** includes bonus, overtime, food and clothing allowance, commuting allowance, child allowance, spouse allowance, mission allowance, unfavorable climate allowance, employer's share of social security premium, food stuff, bus ticket, etc.

**Investment (value of changes in capital properties):** changes in the value of capital properties (value of purchase or obtaining of capital properties plus cost of major repairs minus sale or transfer value of these properties) during a definite period of time.

**Capital properties:** all machinery, equipment and tools usually used in manufacturing activities or for rendering services with an economic life of more than one year. Machinery and power equipment, durable tools and implements, office equipment, vehicles and buildings, are examples of such properties.

**Cooperative:** refers to company composed of at least 7 natural persons as members who finance either whole or 51 percent of the capital. It is registered according to regulations in the law of cooperative sector. It should be noted that before determining the minimum number of the cooperatives' members under the mentioned law, some of the cooperatives were established with less than 7 members.

**Delineation:** exact estimation of the area and

admitted limits of one or more range men in a range.

**Water trough:** shallow wells supplying livestock drinking water only.

**Shallow wells:** wells dug in mountainsides to supply livestock drinking water. Water of these wells rises to the surface without pumping like artesian wells or springs.

**Water basin:** see Chapter 1, Definitions and concepts.

**Watershed areas:** lands lying in the river basin leading running water resulted from precipitation to the lake.

**Watershed management:** activities performed for the reclamation and restoration of watershed areas.

**Output:** see Chapter 23, Definitions and concepts.

**Intermediate consumption:** see Chapter 23, Definitions and concepts.

**Value added:** see Chapter 23, Definitions and concepts.

#### *Selected information*

In the year 1393, more than 575 thousand tons of various types of aquatics were produced and caught, out of which over 39 thousand tons were from the northern waters and more than 535 thousand tons from the southern waters.

In the year 1388, the value added of this sector comprising the activities on "agriculture, hunting and forestry" as well as "fishing" at the current prices and at the 1376 constant prices was 342578 and 59315 bln rials respectively.

In the 1393 National Census of Agriculture, a number of 4042811 holders were identified and listed nationwide which for 10344 holders no questionnaire was filled out due to various reasons. Share of this part of holders was 21% in rural areas and 56% in urban areas. The statistics in this publication does not include holders without questionnaire.

Based on the results of this Census, Nation's arable lands were about 16477 thousand hectares. These lands were used by 3359 thousand agricultural holders and were under cultivation of temporary crops and permanent crops; the share of each holder is, on average, about 4.9 hectateters.

Out of the total Nation's agricultural lands, 46.2% are irrigated lands with the average of 2.9 hectares for each holding, and the rest of the lands are rainfed with the average of 6.9 hectares for each holding.

696 thousand of agricultural holdings raise cattels. The number of cattles in these holdings are 4232 thousand, of which 75% are cows.

6191 hectares of 13781 agricultural holdings are greenhouses the products of which are flowers, ornamental plants and various perennial and annual crops.

Based on the results of this Census, 1221 thousand holdings are raising poltary by traditional method, 52192 holdings are engaged in apiculture activity and 8644 holdings are carrying out sericulture practice.

**5.1. LISTED AND ENUMERATED HOLDERS BY TYPE OF HOLDERS AND OSTAN, THE YEAR 1393**

Ostan	Total		Private settled household		Private unsettled household	
	Listed	Enumerated	Listed	Enumerated	Listed	Enumerated
<b>Total country .....</b>	<b>4042811</b>	<b>4032467</b>	<b>3072521</b>	<b>3064102</b>	<b>945185</b>	<b>943260</b>
East Azarbayjan.....	237196	236537	202048	201443	34791	34737
West Azarbayjan.....	200502	200038	156172	155807	44024	43925
Ardebil .....	112497	112401	86653	86565	25447	25439
Esfahan .....	172358	171711	131347	130757	40351	40294
Alborz .....	30281	30058	15316	15170	14747	14670
Ilam .....	53552	53529	33590	33579	19499	19487
Bushehr.....	39956	39803	28198	28052	11153	11146
Tehran.....	53097	52677	29726	29392	22908	22822
Chaharmahal & Bakhtiyari .....	66340	66002	57959	57670	7806	7757
South Khorasan.....	82845	82667	60033	59887	22578	22546
Khorasan-e-Razavi .....	338834	338089	270327	269640	67321	67263
North Khorasan.....	81605	81551	65733	65683	15477	15473
Khuzestan .....	165703	165298	132760	132534	30580	30401
Zanjan .....	83261	83027	70600	70368	12248	12246
Semnan .....	45412	45298	24320	24211	20777	20772
Sistan & Baluchestan.....	168873	168532	154609	154339	13747	13676
Fars .....	234478	233359	180852	179905	47350	47178
Qazvin.....	77360	77308	60551	60502	16322	16319
Qom .....	11830	11732	8178	8092	3574	3562
Kordestan.....	113606	113168	83256	83121	30238	29935
Kerman .....	251113	249817	159259	158054	90582	90491
Kermanshah .....	125369	125132	84415	84208	39197	39167
Kohgiluyeh & Boyerahmad.....	66631	66600	47929	47905	17780	17773
Golestan.....	124280	124191	104063	103986	19898	19886
Gilan .....	303894	303629	220010	219805	83458	83398
Lorestan .....	135157	135153	98575	98575	34977	34973
Mazandaran .....	322503	322100	243850	243540	78070	77977
Markazi.....	79735	79412	63262	63021	15877	15795
Hormozgan .....	70590	70091	65141	64836	5361	5167
Hamedan.....	117571	117349	98885	98721	18388	18330
Yazd.....	76382	76208	34904	34734	40659	40655

**5.1. LISTED AND ENUMERATED HOLDERS BY TYPE OF HOLDERS AND OSTAN THE YEAR 1393 (continued)**

Ostan	Unsettled holder		Registered company/public institution	
	Listed	Enumerated	Listed	Enumerated
<b>Total country.....</b>	<b>16077</b>	<b>16077</b>	<b>9028</b>	<b>9028</b>
East Azarbayjan.....	31	31	326	326
West Azarbayjan.....	9	9	297	297
Ardebil.....	262	262	135	135
Esfahan.....	74	74	586	586
Alborz.....	0	0	218	218
Ilam.....	391	391	72	72
Bushehr.....	544	544	61	61
Tehran.....	8	8	455	455
Chaharmahal & Bakhtiyari.....	433	433	142	142
South Khorasan.....	8	8	226	226
Khorasan-e-Razavi.....	678	678	508	508
North Khorasan.....	260	260	135	135
Khuzestan.....	1713	1713	650	650
Zanjan.....	2	2	411	411
Semnan.....	0	0	315	315
Sistan & Baluchestan.....	357	357	160	160
Fars.....	5707	5707	569	569
Qazvin.....	0	0	487	487
Qom.....	2	2	76	76
Kordestan.....	8	8	104	104
Kerman.....	728	728	544	544
Kermanshah.....	1606	1606	151	151
Kohgiluyeh & Boyerahmad.....	792	792	130	130
Golestan.....	2	2	317	317
Gilan.....	99	99	327	327
Lorestan.....	1433	1433	172	172
Mazandaran.....	2	2	581	581
Markazi.....	328	328	268	268
Hormozgan.....	38	38	50	50
Hamedan.....	99	99	199	199
Yazd.....	463	463	356	356

Source: Statistical Center of Iran.



**5.2. AGRICULTURAL HOLDINGS BY TYPE OF ACTIVITY AND OSTAN, THE YEAR 1393**

Ostan	Temporary crops	Permanent crops	Greenhouse planting	Raising of large livestock	Raising of small livestock
<b>Total Country</b> .....	<b>2482380</b>	<b>1943203</b>	<b>13781</b>	<b>709105</b>	<b>1164159</b>
East Azarbayjan.....	165395	127353	193	62060	66155
West Azarbayjan.....	142969	93199	78	63370	51696
Ardebil.....	86813	44388	36	32702	27374
Esfahan.....	103891	93283	1805	23914	36518
Alborz.....	5780	24817	375	1817	2540
Ilam.....	44669	9442	8	7236	15673
Bushehr.....	19794	17854	157	3380	12657
Tehran.....	18196	34163	1747	3936	6870
Chaharmahal & Bakhtiyari	44344	28794	40	13205	17540
South Khorasan.....	42127	44588	184	8907	49777
Khorasan-e-Razavi.....	214998	127715	674	36215	140426
North Khorasan.....	56416	37893	81	12886	38625
Khuzestan.....	111200	42969	138	52700	51439
Zanjan.....	56961	49359	87	19246	25246
Semnan.....	22529	27742	219	3699	15403
Sistan & Baluchestan.....	68732	67065	543	24621	124989
Fars.....	123612	100957	247	18849	65992
Qazvin.....	37812	55401	82	13788	14059
Qom.....	3418	6840	100	2097	3152
Kordestan.....	88316	51775	44	28933	31055
Kerman.....	86817	176943	1954	32812	81710
Kermanshah.....	102982	27786	75	18890	29319
Kohgiluyeh & Boyerahmad	51571	26868	77	8467	20891
Golestan.....	88825	36563	61	31068	30878
Gilan.....	219012	175100	385	73877	11296
Lorestan.....	116951	32291	125	24577	36147
Mazandaran.....	189699	182786	1494	34606	29913
Markazi.....	45286	50653	532	16765	24474
Hormozgan.....	14251	27454	149	11933	46554
Hamedan.....	82412	59206	120	19912	36680
Yazd.....	26601	61959	1973	2641	19116

**5.2. AGRICULTURAL HOLDINGS BY TYPE OF ACTIVITY AND OSTAN, THE YEAR 1393**  
**( continued)**

Ostan	Apiculture	Sericulture	Raising of poultry via traditional method	Pisciculture
<b>Total Country.....</b>	<b>52192</b>	<b>8644</b>	<b>1220768</b>	<b>13253</b>
East Azarbayjan .....	6966	186	79286	290
West Azarbayjan. ....	3752	0	65991	146
Ardebil .....	2578	0	56989	107
Esfahan.....	2582	22	34752	296
Alborz.....	599	0	3163	63
Ilam .....	736	0	15566	44
Bushehr .....	152	0	8543	1
Tehran .....	646	1	7164	181
Chaharmahal & Bakhtiyari	1010	0	20992	297
South Khorasan .....	231	19	24043	156
Khorasan-e-Razavi.....	1433	1631	80313	352
North Khorasan .....	612	382	22787	68
Khuzestan.....	970	2	57901	784
Zanjan .....	2254	7	27844	255
Semnan.....	623	3	9719	189
Sistan & Baluchestan .....	96	0	32924	517
Fars.....	3898	13	64264	137
Qazvin .....	1210	0	13002	123
Qom.....	75	0	2874	59
Kordestan .....	3407	0	30768	171
Kerman.....	1967	6	43389	135
Kermanshah.....	1204	3	33075	108
Kohgiluyeh & Boyerahmad .	1741	0	27517	136
Golestan .....	2352	1678	35494	262
Gilan.....	3648	3723	161350	5886
Lorestan.....	1212	0	49623	234
Mazandaran .....	3520	965	138481	1875
Markazi .....	890	0	19312	144
Hormozgan .....	31	0	7056	21
Hamedan .....	1483	0	31886	93
Yazd .....	313	5	14704	126

Source: Statistical Center of Iran.

**5.3. NUMBER OF HOLDINGS AND AREA OF LAND ON HOLDINGS WITH CROPLAND BY SIZE OF AGRICULTURAL LANDS, THE YEAR 1393 (ha)**

Size of agricultural lands	Total		Arable land		Orchard and nurseries	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
<b>Total.....</b>	<b>3359409</b>	<b>16476609</b>	<b>2470140</b>	<b>14687053</b>	<b>1704194</b>	<b>1789555</b>
Total < 1 ha.....	1238159	403061	598137	206576	825444	196485
< 1.0 ha .....	220746	9982	49227	2123	181075	7858
0.1 - < 0.2 ha.....	201699	24982	74596	8349	145382	16633
0.2 - < 0.5 ha .....	429237	126999	226106	60284	270958	66715
0.5 - < 1 ha .....	386477	241098	248208	135819	228030	105278
Total of 1- < 5 ha .....	1276221	2813403	1056865	2209914	571178	603489
1 - < 2 ha .....	520277	624088	388612	417423	264005	206665
2 - < 3 ha.....	351239	752363	298469	581840	148458	170523
3 - < 4 ha .....	230791	721652	207724	594771	93113	126881
4 - < 5 ha .....	173914	715300	162060	615881	65602	99420
Total of 5 - < 20 ha .....	680699	5987737	654815	5476101	249061	511636
5 - < 7.5 ha .....	311784	1802110	296629	1606776	112433	195335
7.5 - < 10 ha .....	111575	928465	107627	837263	45237	91203
10 - < 15 ha .....	181699	2035374	176775	1890837	63721	144537
15 - < 20 ha.....	75642	1221788	73784	1141225	27671	80563
Total of 20 - < 50 ha .....	129265	3548277	126524	3364300	45079	183977
20 - < 25 ha .....	57887	1213247	56724	1152933	19239	60314
25 - < 35 ha .....	46157	1324009	45154	1255751	16543	68258
35 - < 50 ha .....	25221	1011021	24646	955616	9296	55405
Total of 50 ha and over .....	35065	3724131	33798	3430163	13432	293968
50 - < 100 ha .....	25004	1564797	24113	1451431	9454	113366
100 - < 200 ha .....	7333	901646	7098	838986	2831	62660
200 - < 500 ha .....	2214	598951	2117	550090	901	48861
500 - < 1000 ha .....	348	217723	324	192953	159	24770
1000 - < 2000 ha .....	99	128207	86	105751	52	22456
2000 ha and over .....	67	312806	62	290951	36	21855

Source: Statistical Center of Iran,

**5.4. NUMBER OF HOLDINGS AND AREA OF LAND ON HOLDINGS WITH CROPLAND BY TYPE OF CROP AND OSTAN, THE YEAR 1393 (ha)**

Ostan	Total					
	Number of holdings			Area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total .....</b>	<b>3359409</b>	<b>2668979</b>	<b>1291737</b>	<b>16476609</b>	<b>7619219</b>	<b>8857390</b>
East Azarbaijan .....	212926	165395	110713	1198697	300124	898573
West Azarbaijan.....	174523	141808	74686	821728	350365	471364
Ardebil .....	94976	60394	60898	702020	216432	485588
Esfahan .....	148472	146874	10274	382467	329740	52727
Alborz .....	27531	27412	363	50227	48400	1827
Ilam.....	46315	16093	38358	264619	75707	188912
Bushehr.....	30998	18317	15394	308478	76183	232295
Tehran.....	46069	45708	1782	182120	173176	8944
Chaharmahal & Bakhtiyari .....	56691	44059	29690	182112	98193	83919
South Khorasan.....	60066	57992	9358	189739	157702	32036
Khorasan-e-Razavi .....	266853	230592	78274	1460111	802342	657769
North Khorasan.....	67372	49789	38476	393089	168500	224588
Khuzestan .....	125411	83721	51153	1324872	796418	528454
Zanjan .....	73704	60831	43278	816830	154181	662649
Semnan .....	38063	35490	3354	181966	159149	22817
Sistan & Baluchestan .....	104405	96111	9598	338378	276880	61498
Fars .....	180008	145676	52322	987467	696887	290581
Qazvin.....	69458	64760	18197	370285	207039	163247
Qom .....	8346	8321	202	52946	52107	839
Kordestan.....	102683	61607	81010	1051881	118217	933664
Kerman .....	211043	210388	4071	757509	746094	11415
Kermanshah .....	112703	50558	89171	681859	150341	531518
Kohgiluyeh & Boyerahmad .....	58295	33763	40251	217377	55592	161784
Golestan.....	95330	44488	61621	575642	188891	386751
Gilan .....	268554	221364	115381	209765	147963	61802
Lorestan .....	121687	63114	97990	783445	185367	598078
Mazandaran .....	285986	248319	66229	333410	226733	106678
Markazi.....	67142	59989	25474	552558	216171	336387
Hormozgan .....	33333	29490	4580	118060	106994	11067
Hamedan.....	103228	79333	59538	872174	222607	649567
Yazd .....	67239	67228	52	114778	114724	54

**5.4. NUMBER OF HOLDINGS AND AREA OF LAND ON HOLDINGS WITH CROPLAND BY TYPE OF CROP AND OSTAN, THE YEAR 1393 (continued) (ha)**

Ostan	Arable land					
	Number of holdings			Area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total country .....</b>	<b>2470140</b>	<b>1687204</b>	<b>1173376</b>	<b>14687053</b>	<b>5996635</b>	<b>8690419</b>
East Azarbayjan .....	162897	89420	109864	1102905	207458	895447
West Azarbayjan .....	139546	95191	71687	716924	252791	464133
Ardebil .....	86655	43423	60744	670871	185652	485218
Esfahan.....	103713	100756	10067	311430	259842	51588
Alborz.....	5634	5444	333	35569	33755	1814
Ilam .....	44647	12217	38305	259695	70905	188790
Bushehr .....	19791	6579	14379	284843	54628	230215
Tehran .....	18145	17349	1724	148887	140001	8886
Chaharmahal & Bakhtiyari .....	44327	28504	29562	156505	72847	83659
South Khorasan .....	41940	37376	8300	154596	124862	29733
Khorasan-e-Razavi.....	214715	172742	72980	1332525	701209	631316
North Khorasan .....	56279	31440	37002	365919	147412	218507
Khuzestan.....	110774	66307	51076	1286277	759090	527187
Zanjan .....	56175	33675	42816	769883	107704	662179
Semnan.....	22412	19719	3317	147143	124359	22784
Sistan & Baluchestan .....	68674	60559	8624	280192	219936	60256
Fars.....	123587	94936	39759	827617	571772	255845
Qazvin .....	37790	26997	16792	313463	151304	162159
Qom.....	3412	3311	193	43053	42219	834
Kordestan .....	88292	39404	76910	1023193	95219	927974
Kerman.....	86280	85149	3346	412038	402390	9647
Kermanshah .....	102979	33861	88174	663308	132866	530442
Kohgiluyeh & Boyerahmad .....	51352	22163	39974	197059	36899	160160
Golestan .....	88756	37830	59418	556028	174492	381537
Gilan.....	218515	200108	60608	149356	129163	20192
Lorestan.....	116944	47544	97744	758794	161603	597191
Mazandaran .....	187758	160956	43821	242563	151492	91072
Markazi .....	45201	32187	25149	507392	171709	335683
Hormozgan .....	14241	12596	1779	84016	75981	8035
Hamedan .....	82376	43130	58928	841940	194008	647931
Yazd .....	26333	26331	4	43068	43065	3

**5.4. NUMBER OF HOLDINGS AND AREA OF LAND ON HOLDINGS WITH CROPLAND BY TYPE OF CROP AND OSTAN, THE YEAR 1393 (continued) (ha)**

Ostan	Orchard and nurseries					
	Number of holdings			Area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total country .....</b>	<b>1704193</b>	<b>1550539</b>	<b>177084</b>	<b>1789555</b>	<b>1622584</b>	<b>166971</b>
East Azarbayjan .....	115519	114227	2294	95792	92666	3126
West Azarbayjan. ....	84805	81005	6215	104804	97573	7231
Ardebil .....	29042	28488	574	31149	30780	370
Esfahan .....	86341	86053	510	71037	69899	1138
Alborz .....	24631	24604	31	14658	14645	12
Ilam.....	5294	5175	127	4924	4802	122
Bushehr.....	16069	13347	2759	23635	21555	2080
Tehran .....	33531	33498	60	33233	33175	58
Chaharmahal & Bakhtiyari ....	27160	27000	234	25606	25346	260
South Khorasan.....	40196	39491	1716	35143	32840	2303
Khorasan-e-Razavi .....	121589	115345	9491	127586	101133	26453
North Khorasan.....	34618	31202	4660	27170	21089	6082
Khuzestan .....	26555	26284	282	38595	37328	1267
Zanjan .....	46794	45664	1788	46947	46477	470
Semnan .....	25580	25518	66	34823	34790	33
Sistan & Baluchestan.....	59892	58918	1141	58186	56944	1242
Fars .....	89487	76085	15675	159850	125115	34735
Qazvin.....	55253	53860	2474	56822	55735	1088
Qom .....	6822	6813	9	9893	9888	5
Kordestan.....	46040	38192	12951	28688	22997	5690
Kerman. ....	173615	173195	822	345471	343704	1767
Kermanshah.....	25212	24367	1616	18551	17475	1076
Kohgiluyeh & Boyerahmad ..	20502	19907	891	20317	18693	1624
Golestan.....	15508	10694	4878	19614	14399	5214
Gilan .....	103221	35630	69255	60409	18800	41610
Lorestan .....	28438	27703	762	24650	23764	887
Mazandaran .....	171735	143678	28566	90847	75241	15606
Markazi.....	48160	47287	1301	45166	44462	704
Hormozgan .....	24077	20950	3207	34045	31013	3032
Hamedan .....	56980	54848	2681	30235	28599	1636
Yazd.....	61528	61511	48	71710	71659	51

Source: Statistical Center of Iran.

**5.5. NUMBER OF HOLDINGS AND CULTIVATION AREA OF CROPS IN OPEN AIR BY  
TYPE OF CROP, CULTIVATION AND OSTAN, THE YEAR 1393 (ha)**

Ostan	Wheat					
	Number of holdings			Cultivation area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total country .....</b>	<b>1330467</b>	<b>642205</b>	<b>787069</b>	<b>6475643</b>	<b>2068972</b>	<b>4406672</b>
East Azarbayjan .....	109457	33516	83575	483340	55187	428153
West Azarbayjan.....	79390	31902	54228	331059	70757	260302
Ardebil .....	58746	20396	41901	260940	69280	191660
Esfahan .....	47681	43232	7420	70253	43928	26325
Alborz .....	1742	1686	81	8339	8166	173
Ilam.....	28549	8024	22618	148734	54967	93767
Bushehr.....	13370	1558	12011	201815	15541	186275
Tehran.....	8257	7590	787	50306	46949	3358
Chaharmahal & Bakhtiari.....	33437	16142	22973	66258	22896	43362
South Khorasan.....	21070	17386	4367	26869	18179	8690
Khorasan-e-Razavi .....	113023	77014	43841	430140	154878	275262
North Khorasan.....	36361	15643	24390	132895	39594	93301
Khuzestan .....	82769	49215	36880	854297	484067	370229
Zanjan .....	38131	6604	34822	344270	18072	326198
Semnan .....	12264	10259	2126	36166	28146	8021
Sistan & Baluchestan.....	36013	34250	1947	79590	77189	2401
Fars .....	71831	55896	19222	325993	233826	92167
Qazvin.....	20884	10011	12000	128716	40754	87962
Qom .....	1289	1190	135	5907	5439	468
Kordestan.....	74512	15578	67486	560407	37492	522915
Kerman .....	41291	40907	712	127506	126888	618
Kermanshah .....	76516	22263	61921	351577	71708	279869
Kohgiluyeh & Boyerahmad.....	37260	10397	29749	94800	19691	75109
Golestan.....	63210	22793	43476	340315	121934	218381
Gilan .....	7038	338	6749	7746	168	7578
Lorestan .....	78702	30513	60728	370145	85473	284672
Mazandaran .....	27290	1443	25928	47893	1987	45907
Markazi.....	34930	16553	23020	224418	36995	187423
Hormozgan .....	1994	1776	226	13516	12724	792
Hamedan .....	55482	20152	41751	339877	54543	285333
Yazd .....	17980	17979	1	11556	11556	Ø

**5.5. NUMBER OF HOLDINGS AND CULTIVATION AREA OF CROPS IN OPEN AIR BY TYPE OF CROP, CULTIVATION AND OSTAN, THE YEAR 1393 (continued) (ha)**

Ostan	Barley					
	Number of holdings			Cultivation area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total country.....</b>	<b>716236</b>	<b>329600</b>	<b>413597</b>	<b>2070292</b>	<b>655179</b>	<b>1415113</b>
East Azarbayjan.....	56543	17658	42195	111727	22340	89387
West Azarbayjan.....	23897	8483	16517	61885	15450	46434
Ardebil.....	38492	9749	31665	134509	23859	110650
Esfahan.....	38106	35897	2759	45895	40126	5769
Alborz.....	1801	1715	120	9184	8381	803
Ilam.....	22134	1202	21429	67537	2489	65048
Bushehr.....	5988	309	5715	36285	1688	34598
Tehran.....	5535	5294	313	37096	35773	1323
Chaharmahal & Bakhtiyari .	21359	6429	16897	30007	7107	22901
South Khorasan.....	18068	17233	1170	20285	18723	1563
Khorasan-e-Razavi.....	75083	61267	16563	203498	122920	80578
North Khorasan.....	20448	10976	10559	60080	25234	34846
Khuzestan.....	33944	6804	27460	162477	43714	118762
Zanjan.....	13699	4036	10300	41397	7728	33669
Semnan.....	11506	9984	1591	28802	23813	4989
Sistan & Baluchestan.....	25363	22449	2995	36053	28565	7487
Fars.....	37363	15350	22908	147197	44711	102485
Qazvin.....	12507	8107	4719	39437	26128	13309
Qom.....	2404	2384	30	14448	14365	83
Kordestan.....	12320	3245	9548	19451	4629	14822
Kerman.....	28134	26631	2242	38125	34024	4100
Kermanshah.....	37122	2489	35581	138132	5347	132786
Kohgiluyeh & Boyerahmad...	24334	2283	22624	49928	2934	46994
Golestan.....	13885	1955	12155	133124	9086	124038
Gilan.....	4214	260	4002	3787	116	3671
Lorestan.....	55611	6636	50993	205545	15025	190520
Mazandaran.....	14349	2489	12064	22447	1944	20503
Markazi.....	18414	16192	2843	44163	33785	10378
Hormozgan.....	1916	731	1249	6919	1368	5551
Hamedan.....	34752	14416	24391	117639	30572	87067
Yazd.....	6947	6947	1	3236	3235	Ø



**5.5. NUMBER OF HOLDINGS AND CULTIVATION AREA OF CROPS IN OPEN AIR BY  
TYPE OF CROP, CULTIVATION AND OSTAN, THE YEAR 1393 (continued) (ha)**

Ostan	Rice					
	Number of holdings			Cultivation area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total country</b> .....	<b>420441</b>	<b>420441</b>	<b>0</b>	<b>383013</b>	<b>383013</b>	<b>0</b>
East Azarbayjan.....	1262	1262	0	2321	2321	0
West Azarbayjan.....	11	11	0	10	10	0
Ardebil.....	601	601	0	1417	1417	0
Esfahan.....	10201	10201	0	3353	3353	0
Alborz.....	0	0	0	0	0	0
Ilam.....	1961	1961	0	1589	1589	0
Bushehr.....	0	0	0	0	0	0
Tehran.....	63	63	0	292	292	0
Chaharmahal & Bakhtiari.....	5938	5938	0	2411	2411	0
South Khorasan.....	39	39	0	13	13	0
Khorasan-e-Razavi.....	1603	1603	0	1094	1094	0
North Khorasan.....	672	672	0	404	404	0
Khuzestan.....	11609	11609	0	34347	34347	0
Zanjan.....	1259	1259	0	2786	2786	0
Semnan.....	0	0	0	0	0	0
Sistan & Baluchestan.....	7394	7394	0	6911	6911	0
Fars.....	13847	13847	0	20880	20880	0
Qazvin.....	2814	2814	0	1779	1779	0
Qom.....	0	0	0	0	0	0
Kordestan.....	0	0	0	0	0	0
Kerman.....	0	0	0	0	0	0
Kermanshah.....	327	327	0	383	383	0
Kohgiluyeh & Boyerahmad.....	10084	10084	0	6496	6496	0
Golestan.....	13556	13556	0	25715	25715	0
Gilan.....	190104	190104	0	127052	127052	0
Lorestan.....	2293	2293	0	3495	3495	0
Mazandaran.....	144805	144805	0	140265	140265	0
Markazi.....	0	0	0	0	0	0
Hormozgan.....	0	0	0	0	0	0
Hamedan.....	0	0	0	0	0	0
Yazd.....	0	0	0	0	0	0

**5.5. NUMBER OF HOLDINGS AND CULTIVATION AREA OF CROPS IN OPEN AIR BY TYPE OF CROP, CULTIVATION AND OSPAN, THE YEAR 1393 (continued) (ha)**

Ostan	Other crops					
	Number of holdings			Cultivation area		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
<b>Total country</b> .....	<b>1132285</b>	<b>930850</b>	<b>252858</b>	<b>2659975</b>	<b>2107075</b>	<b>552900</b>
East Azarbayjan.....	86199	71299	23129	149737	97935	51803
West Azarbayjan.....	94873	80971	19394	222675	157068	65607
Ardebil.....	39958	33485	10539	120114	98376	21738
Esfahan.....	54807	54425	993	67518	66032	1486
Alborz.....	4646	4632	24	18796	18755	41
Ilam.....	6901	4543	2566	27042	22742	4301
Bushehr.....	5575	5555	25	36120	35973	147
Tehran.....	13189	13041	285	58652	57940	712
Chaharmahal & Bakhtiyari .	15760	14309	1842	26487	24610	1876
South Khorasan.....	31727	30844	1494	26931	25410	1521
Khorasan-e-Razavi.....	141223	137697	5708	208148	190272	17876
North Khorasan.....	25110	19816	6845	44031	27272	16759
Khuzestan.....	30600	30119	517	280126	277199	2927
Zanjan.....	33475	30172	6563	80184	66923	13261
Semnan.....	14256	12774	1654	30537	23017	7519
Sistan & Baluchestan.....	38020	31765	6367	95633	62251	33381
Fars.....	48535	46463	2420	172700	168598	4102
Qazvin.....	21219	18526	4083	64880	55990	8890
Qom.....	1842	1806	48	7986	7929	57
Kordestan.....	40295	29059	18233	121622	45100	76522
Kerman.....	64925	64870	199	184931	184556	375
Kermanshah.....	43065	20363	25922	151151	59864	91287
Kohgiluyeh & Boyerahmad ..	9546	5796	4110	13645	9628	4017
Golestan.....	34519	19981	15184	131734	77897	53837
Gilan.....	75315	25265	56088	8317	1973	6344
Lorestan.....	33597	20849	14851	89296	48988	40308
Mazandaran.....	40837	24859	16936	26846	12736	14109
Markazi.....	23236	22284	1801	43625	40536	3089
Hormozgan.....	11705	11468	242	57249	56561	688
Hamedan.....	32268	28752	4795	85312	76992	8320
Yazd.....	15061	15060	2	7950	7949	Ø

Source: Statistical Center of Iran.

**5.6. AREA AND TYPE OF GREENHOUSE ACTIVITY IN HOLDINGS BY OSTAN, THE YEAR 1393**

Ostan	Area (ha)	Holding			
		Total	Cultivation of ornamental plants	Cultivation of annual crops	Cultivation of perennial crops
<b>Total country .....</b>	<b>6191</b>	<b>13781</b>	<b>3926</b>	<b>9961</b>	<b>1262</b>
East Azarbayjan .....	47	193	71	137	24
West Azarbayjan.....	24	78	22	50	26
Ardebil .....	10	36	11	26	6
Esfahan .....	778	1805	392	1406	154
Alborz .....	137	375	229	186	56
Ilam.....	2	8	2	4	2
Bushehr.....	79	157	3	150	4
Tehran.....	1354	1747	494	1303	57
Chaharmahal & Bakhtiari.....	15	40	8	29	6
South Khorasan.....	45	184	31	156	14
Khorasan-e-Razavi .....	146	674	181	516	47
North Khorasan.....	19	81	15	65	5
Khuzestan .....	102	138	78	58	14
Zanjan .....	21	87	21	54	21
Semnan .....	82	219	23	184	36
Sistan & Baluchestan .....	263	543	14	511	33
Fars .....	131	247	65	177	32
Qazvin.....	43	82	26	69	13
Qom .....	78	100	13	25	75
Kordestan.....	32	44	6	37	6
Kerman .....	1224	1954	30	1903	29
Kermanshah .....	30	75	32	49	17
Kohgiluyeh & Boyerahmad .....	34	77	27	49	3
Golestan.....	38	61	39	29	15
Gilan .....	65	385	305	74	112
Lorestan .....	13	125	92	101	6
Mazandaran .....	234	1494	1290	275	348
Markazi.....	155	532	360	177	58
Hormozgan .....	111	149	8	139	7
Hamedan .....	44	120	22	95	11
Yazd .....	838	1973	18	1930	27

Source: Statistical Center of Iran.

**5.7. HOLDINGS WITH LIVESTOCK AND THE NUMBER OF THEIR LIVESTOCK ON THE ENUMERATION DAY BY OSTAN, THE YEAR 1393 (head/ person)**

Ostan	Number of Cattle & calves on the enumeration day				Number of Sheep & lambs calves on the enumeration day			
	Number of holdings	Total	Female	Male	Number of holdings	Total	Female	Male
<b>Total country</b> .....	<b>695526</b>	<b>4231993</b>	<b>3173134</b>	<b>1058859</b>	<b>881271</b>	<b>31420569</b>	<b>26827079</b>	<b>4593490</b>
East Azarbayjan .....	60995	346304	264055	82249	64817	2307463	1944678	362785
West Azarbayjan.....	62828	315741	247031	68710	50058	2520155	2234805	285350
Ardebil .....	32366	192350	151164	41186	26929	1228352	1068722	159630
Esfahan.....	23707	255798	201996	53802	31562	1169196	926136	243060
Alborz .....	1803	74852	56322	18530	2475	229476	192748	36728
Ilam.....	7228	27679	21063	6616	12020	559033	506616	52416
Bushehr .....	3329	24779	11597	13182	3567	179417	151677	27740
Tehran.....	3905	343050	215020	128030	6631	673637	555218	118419
Chaharmahal & Bakhtiyari ..	13198	51363	42739	8624	12564	541229	484303	56926
South Khorasan.....	7921	29328	22536	6792	39403	708068	587831	120237
Khorasan-e-Razavi.....	35882	222891	180826	42065	133462	3537424	3114304	423120
North Khorasan.....	12829	43870	35767	8103	37095	1100294	983823	116472
Khuzestan.....	50012	264180	206235	57945	33870	1797342	1603103	194239
Zanjan .....	19234	87682	67640	20042	23822	716854	595723	121131
Semnan.....	3354	57459	32011	25448	14227	969348	821821	147527
Sistan & Baluchestan .....	21547	88659	62127	26533	40642	744690	610016	134675
Fars .....	18719	175923	129985	45938	38148	1920053	1661918	258135
Qazvin.....	13783	139549	95982	43567	13697	591306	473579	117727
Qom .....	2059	62439	20767	41672	2662	189348	129465	59883
Kordestan.....	28929	93607	74575	19032	29539	811422	714458	96963
Kerman.....	32009	142286	108336	33950	46464	1462592	1160998	301594
Kermanshah .....	18876	73600	58337	15263	26723	979896	833047	146849
Kohgiluyeh & Boyerahmad	8465	28801	23380	5420	9232	360279	328182	32098
Golestan .....	30337	139150	119992	19158	29432	982365	897504	84861
Gilan .....	73572	290584	229116	61468	11027	412211	355479	56732
Lorestan .....	24567	102584	82845	19739	31019	1316333	1166450	149883
Mazandaran.....	34583	285426	231232	54194	29511	988795	840868	147928
Markazi .....	16754	108025	60453	47572	23693	948013	770972	177041
Hormozgan.....	10370	26904	20765	6139	7124	76503	62654	13849
Hamedan .....	19909	85514	60405	25109	35932	1023725	776460	247265
Yazd .....	2458	51617	38836	12780	13922	375749	273522	102227

**5.7. HOLDINGS WITH LIVESTOCK AND THE NUMBER OF THEIR LIVESTOCK ON  
THE ENUMERATION DAY BY OSTAN, THE YEAR 1393 (continued) (head/ person)**

Ostan	Number of Goats & kids on the enumeration day			
	Number of holdings	Total	Female	Male
<b>Total country .....</b>	<b>657371</b>	<b>12333273</b>	<b>10275577</b>	<b>2057696</b>
East Azarbayjan .....	31105	313941	262142	51798
West Azarbayjan.....	22363	217253	190175	27078
Ardebil .....	14652	176609	148764	27845
Esfahan .....	14963	329675	253286	76389
Alborz .....	870	20742	16375	4367
Ilam.....	11510	252886	224089	28797
Bushehr.....	11802	428577	341394	87183
Tehran.....	3027	79385	62654	16731
Chaharmahal & Bakhtiyari.....	9110	261935	232862	29073
South Khorasan.....	38489	607669	510584	97085
Khorasan-e-Razavi .....	60457	481506	411268	70238
North Khorasan.....	15525	147303	129407	17896
Khuzestan .....	35633	1155008	1041568	113440
Zanjan .....	13605	109280	92701	16579
Semnan .....	7205	220050	183853	36197
Sistan & Baluchestan.....	101266	1338833	1035672	303161
Fars .....	50400	1864625	1581349	283276
Qazvin.....	3519	45362	36636	8726
Qom .....	1629	46659	23657	23002
Kordestan.....	14706	129730	113428	16302
Kerman .....	57072	1474333	1168108	306225
Kermanshah.....	14587	171577	147974	23603
Kohgiluyeh & Boyerahmad.....	19440	675010	605606	69405
Golestan.....	8431	147433	133501	13931
Gilan .....	2631	42231	33925	8306
Lorestan .....	19555	480777	417923	62854
Mazandaran .....	3402	62692	50658	12033
Markazi.....	6970	81946	64684	17263
Hormozgan .....	43636	665394	541093	124301
Hamedan .....	8981	60892	46362	14530
Yazd .....	10830	243962	173878	70083

Source: Statistical Center of Iran,

**5.8. HOLDINGS WITH LIVESTOCK AND THE NUMBER OF THEIR LIVESTOCK ON THE ENUMERATION DAY BY OSTAN (head)**

Year and Ostan	Sheep & lambs		Goats & kids		Cattle & calves	
	Number of holdings	Number of livestock	Number of holdings	Number of livestock	Number of holdings	Number of livestock
1382.....	1117281	37137289	1070057	20166878	1250232	6009547
1384.....	1218797	<sup>(1)</sup> 53800136	1156009	<sup>(1)</sup> 25530649	1321531	7609358
1387.....	1105727	49976138	1087932	22333547	1210741	7088984
<b>1390.....</b>	<b>1277798</b>	<b>50214617</b>	<b>1129427</b>	<b>22094251</b>	<b>1096303</b>	<b>6075772</b>
East Azarbayjan .....	86411	3711728	45333	522122	97560	577691
West Azarbayjan .....	53011	3101081	24236	307230	82486	478716
Ardebil .....	34183	1815307	21024	239387	41207	284472
Esfahan.....	44242	1830128	27121	669160	40010	354886
Alborz .....	2448	304877	1549	41949	2523	60430
Ilam .....	15570	695213	16684	430551	13839	48193
Bushehr .....	7127	205383	19853	475184	4714	22968
Tehran .....	15488	1465837	5434	143551	10122	262535
Chaharmahal & Bakhtiyari .....	20854	1276932	14533	452775	31050	113899
South Khorasan .....	46184	902139	49418	822896	13270	37957
Khorasan-e-Razavi.....	248048	9359098	161409	1732364	50492	298355
North Khorasan.....	32576	1044399	18144	197981	22390	74021
Khuzestan.....	37726	2384395	37860	1460015	72364	412864
Zanjan .....	30122	783956	23883	246554	31740	144169
Semnan.....	16519	1083423	13081	367328	6740	67089
Sistan & Baluchestan .....	66865	1238352	152744	1867101	35502	159582
Fars.....	70576	3931711	106370	4255911	35876	261839
Qazvin .....	23002	891867	13265	150446	26863	180782
Qom.....	4162	287039	2692	76431	4076	93296
Kordestan .....	37517	984469	22105	213189	38619	110786
Kerman.....	79781	1993359	115906	2755225	59507	241477
Kermanshah .....	35796	1415428	28226	331182	32286	135434
Kohgiluyeh & Boyerahmad .....	13069	374326	23395	853018	15553	54744
Golestan .....	30147	1492602	13040	198979	52325	224650
Gilan.....	10901	464907	3803	73563	97970	438445
Lorestan.....	43379	1676621	21600	402007	41250	165858
Mazandaran.....	38449	1641211	5830	137806	47835	395774
Markazi .....	32302	1291118	12639	214739	21700	145863
Hormozgan.....	30502	444208	83036	1669168	27708	72160
Hamedan .....	45614	1331509	21483	140654	33524	116340
Yazd .....	25225	791992	23733	645785	5202	40495

**5.8. HOLDINGS WITH LIVESTOCK AND THE NUMBER OF THEIR LIVESTOCK ON THE ENUMERATION DAY BY OSTAN (continued) (head)**

Year and Ostan	Buffaloes & calves		Camels & calves	
	Number of oldings	Number of livestock	Number of holding	Number of livestock
1382.....	29141	159196	17104	139287
1384.....	31344	191438	24147	151932
1387.....	000	000	000	000
<b>1390.....</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
East Azarbayjan .....	000	000	000	000
West Azarbayjan .....	000	000	000	000
Ardebil .....	000	000	000	000
Esfahan.....	000	000	000	000
Alborz .....	000	000	000	000
Ilam .....	000	000	000	000
Bushehr .....	000	000	000	000
Tehran .....	000	000	000	000
Chaharmahal & Bakhtiyari .....	000	000	000	000
South Khorasan .....	000	000	000	000
Khorasan-e-Razavi.....	000	000	000	000
North Khorasan.....	000	000	000	000
Khuzestan.....	000	000	000	000
Zanjan .....	000	000	000	000
Semnan.....	000	000	000	000
Sistan & Baluchestan .....	000	000	000	000
Fars.....	000	000	000	000
Qazvin .....	000	000	000	000
Qom.....	000	000	000	000
Kordestan .....	000	000	000	000
Kerman.....	000	000	000	000
Kermanshah .....	000	000	000	000
Kohgiluyeh & Boyerahmad .....	000	000	000	000
Golestan .....	000	000	000	000
Gilan.....	000	000	000	000
Lorestan.....	000	000	000	000
Mazandaran.....	000	000	000	000
Markazi .....	000	000	000	000
Hormozgan.....	000	000	000	000
Hamedan .....	000	000	000	000
Yazd .....	000	000	000	000

*1. Increase in the number of small livestock (sheep, lamb, goats and kids) is due to development of livestock raising farms as well as different implementation times of the 1384 Livestock Farm Survey and the 1382 Census of Agriculture. The Census was conducted in the month of Mehr when the number of small livestock was at its minimum (over the year), while the Survey was implemented in the months of Day and Bahman coinciding with the time of giving birth of small livestock, when the number of sheep and goat population was at its maximum level.*

*Statistics for buffalo and camel and their calves will be presented after the publication of the detailed results.*

*Source: Statistical Centre of Iran*

**5.9. HOLDINGS WITH LIVESTOCK MILKED<sup>(1)</sup>, AND MILK PRODUCTION BY TYPE OF LIVE LIVESTOCK AND OSTAN (head; ton)**

Year and Ostan	Total milk production	Sheep			Goat		
		Number of holdings	Number of sheep milked	Milk production	Number of holdings	Number of goats milked	Milk production
1382.....	(2)5983863	634991	12830109	612594	737767	8286662	497974
1384.....	7248467	751932	16942306	543935	830472	8982559	410056
1387.....	6679890	540037	11573720	444004	662234	5872081	270157
<b>1390.....</b>	<b>6600895</b>	<b>632708</b>	<b>13910897</b>	<b>459843</b>	<b>583378</b>	<b>5868738</b>	<b>205059</b>
East Azarbayjan.....	668582	72219	1608160	49422	37555	239635	13679
West Azarbayjan.....	393464	37350	1172191	41486	17260	131611	6316
Ardebil.....	246513	30615	777428	35945	18754	111549	7453
Esfahan.....	675556	3615	115516	3974	9284	156872	6113
Alborz.....	118216	1300	97862	3648	906	10988	830
Ilam.....	60766	6126	151341	6176	6230	116167	4662
Bushehr.....	7120	60	1321	73	3680	66470	2079
Tehran.....	359264	12356	540370	24438	2724	41239	1705
Chaharmahal & Bakhtiari....	162176	5368	181479	5755	8819	181330	6200
South Khorasan.....	39714	22861	280233	4009	30420	296549	6087
Khorasan-e-Razavi.....	710878	154084	4091076	110331	92643	537474	14231
North Khorasan.....	111606	22554	434471	9439	11911	79334	2093
Khuzestan.....	261365	8779	210569	8748	20471	452592	14518
Zanjan.....	158688	23527	376930	13810	19830	141185	6729
Semnan.....	96204	7706	325117	8746	5639	97966	3024
Sistan & Baluchestan.....	129383	17072	113659	3182	56601	285137	9433
Fars.....	347641	20528	469921	12033	42417	831842	27348
Qazvin.....	247799	3734	70560	3303	7055	46767	4400
Qom.....	73053	277	4260	210	211	2165	152
Kordestan.....	75003	19858	234749	9306	11892	65701	1899
Kerman.....	263107	39995	523884	16333	69539	818446	19881
Kermanshah.....	130552	19144	462045	12435	17846	159767	7556
Kohgiluyeh & Boyerahmad...	52009	3498	29845	721	21783	337171	11641
Golestan.....	144170	2602	105641	1884	1366	28616	1048
Gilan.....	93039	7484	169989	4894	2708	27042	1405
Lorestan.....	211786	38053	507687	47184	14898	132661	7211
Mazandaran.....	394631	9305	382057	9282	2295	48635	1732
Markazi.....	162802	232	15059	438	2700	36701	1940
Hormozgan.....	12860	5418	35762	1064	13980	121298	3674
Hamedan.....	113842	15859	204866	5769	12160	50010	2414
Yazd.....	79107	21130	216852	5804	19803	215814	7606



**5.9. HOLDINGS WITH LIVESTOCK MILKED<sup>(1)</sup>, AND MILK PRODUCTION BY TYPE OF LIVE LIVESTOCK AND OSTAN (continued) (head; ton)**

Year and Ostan	Cattle		
	Number of holdings	Number of cattle milked	Milk production
1382 .....	1055724	2359676	4768589
1384 .....	1187672	2719058	6294476
1387 .....	1010879	2420143	5965728
<b>1390 .....</b>	<b>902613</b>	<b>2199657</b>	<b>5935994</b>
East Azarbayjan.....	90191	236034	605480
West Azarbayjan.....	74284	183323	345663
Ardebil.....	38187	117831	203114
Esfahan .....	36383	160220	665469
Alborz .....	2109	19579	113738
Ilam.....	12178	22067	49928
Bushehr.....	2724	4093	4967
Tehran.....	8174	66444	333120
Chaharmahal & Bakhtiari.....	27039	46527	150221
South Khorasan.....	9661	12865	29618
Khorasan-e-Razavi .....	43109	118539	586317
North Khorasan.....	17611	28508	100074
Khuzestan .....	53405	122205	238098
Zanjan.....	27903	59995	138150
Semnan .....	5945	19418	84434
Sistan & Baluchestan.....	24306	48200	116768
Fars .....	26231	79975	308260
Qazvin.....	20370	57977	240096
Qom .....	2493	18841	72691
Kordestan.....	33683	49696	63799
Kerman .....	50599	92360	226892
Kermanshah.....	29652	60239	110561
Kohgiluyeh & Boyerahmad.....	14749	23872	39646
Golestan.....	42026	79102	141238
Gilan .....	64788	115382	86741
Lorestan .....	38578	75093	157391
Mazandaran .....	42098	150068	383617
Markazi.....	18714	47601	160423
Hormozgan .....	11209	14108	8121
Hamedan.....	29797	54303	105660
Yazd.....	4416	15189	65698

1. Referring to female livestock that has given birth during the last 365 days to the census day and been milked. The livestock whose whole milk is used by its baby is not considered livestock milked.

2. Difference between the total and sum of its parts is due to buffalo and camel milk production.

Source: Statistical Centre of Iran

**5.10. HOLDINGS WITH GENERATING LIVESTOCK, THEIR NUMBER OF LIVESTOCK, PRODUCTION OF SHEEP WOOL, AND GOAT HAIR AND SOFT WOOL BY OSTAN****(head; kg.)**

Year and Ostan	Sheep wool			Goat hair and soft wool		
	Number of holdings	Number of livestock	Production	Number of holdings	Number of livestock	Production
1382.....	967327	29520042	36008058	272969	5452610	2448941
1384.....	1085395	40361587	52454715	249420	5988723	2905312
1387.....	974221	34801936	38114067	244895	779182	344596
<b>1390.....</b>	<b>1131476</b>	<b>38024926</b>	<b>42430090</b>	<b>226036</b>	<b>4013614</b>	<b>2085613</b>
East Azarbayjan.....	77657	3004542	3278082	95	465	465
West Azarbayjan.....	48710	2493756	3770175	7888	109223	81900
Ardebil.....	32356	1463598	2557494	92	828	828
Esfahan.....	37877	1193742	803759	909	27898	11988
Alborz.....	2349	255028	196328	6	407	122
Ilam.....	13441	452275	698359	3305	93534	91155
Bushehr.....	6333	139652	141313	4441	112638	49704
Tehran.....	11840	981966	980403	774	6686	4882
Chaharmahal & Bakhtiyari.....	16459	960838	842701	792	24991	21895
South Khorasan.....	42734	642128	436046	35738	456706	143212
Khorasan-e-Razavi.....	236478	8007592	10456169	13911	104974	69460
North Khorasan.....	29771	819123	991797	260	10151	4880
Khuzestan.....	26578	1578906	2222674	4733	195274	108753
Zanjan.....	26601	587971	463596	1533	17130	6070
Semnan.....	12345	854448	578573	599	14179	4354
Sistan & Baluchestan.....	59387	812341	1056066	42740	479160	287807
Fars.....	56610	2660353	2109614	14559	573233	368191
Qazvin.....	22055	689913	605047	15	465	930
Qom.....	2304	164520	172185	7	14	6
Kordestan.....	34343	749375	660852	4479	49691	24677
Kerman.....	72876	1478990	961584	56344	1139195	413547
Kermanshah.....	33319	1068076	1540564	8444	81418	54688
Kohgiluyeh & Boyerahmad.....	12544	267482	277390	5406	149332	65560
Golestan.....	25558	1051294	907795	2050	29295	14604
Gilan.....	9434	396161	569779	1431	18835	16554
Lorestan.....	40297	1243556	1901884	6202	90131	107983
Mazandaran.....	33329	1399033	1389624	2387	64031	34962
Markazi.....	27765	1047399	662525	67	2727	1270
Hormozgan.....	19432	175256	180311	6237	124169	84211
Hamedan.....	43073	954507	665966	60	232	174
Yazd.....	17623	431108	351434	531	36602	10779

Source: Statistical Centre of Iran.

**5.11. HOLDINGS WITH ACTIVITIES ON PERMANENT CROPS AND THEIR PRODUCTION  
BY OSTAN (holding –ton)**

Year and Ostan	Number of Holdings with activities on permanent crops	Production
1386 .....	2560560	11215762
<b>1389.....</b>	<b>2378903</b>	<b>10959841</b>
East Azarbayjan.....	175184	514545
West Azarbayjan.....	109436	758408
Ardebil .....	45552	21507
Esfahan .....	105959	286221
Alborz .....	26515	363865
Ilam.....	7536	21857
Bushehr.....	43873	119750
Tehran.....	37862	266098
Chaharmahal & Bakhtiyari.....	31506	63756
South Khorasan.....	48981	40903
Khorasan-e-Razavi .....	156329	646380
North Khorasan.....	42841	184750
Khuzestan .....	43400	99156
Zanjan.....	57944	170175
Semnan .....	23919	186942
Sistan & Baluchestan.....	102969	295914
Fars .....	146410	1532438
Qazvin.....	75233	799186
Qom .....	9359	26556
Kordestan.....	60461	130477
Kerman .....	183858	840460
Kermanshah.....	29824	158465
Kohgiluyeh & Boyerahmad.....	22035	53372
Golestan.....	39076	183227
Gilan .....	215474	516481
Lorestan .....	37597	231967
Mazandaran .....	205708	1358655
Markazi.....	66461	248349
Hormozgan .....	73415	376827
Hamedan.....	83103	195993
Yazd.....	71082	267157

Source: Statistical Centre of Iran.

**5.12. NUMBER AND AREA OF HOLDINGS WITH ORCHARDS AND NURSERIES BY OSTAN**  
**(holding-ha)**

Year and Ostan	Total orchards and nurseries		Single cropping		Mixed cropping (Multi cropping)	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
1386.....	2063403	1772784	1423824	1292085	890266	480700
<b>1389.....</b>	<b>2081848</b>	<b>1880005</b>	<b>1290850</b>	<b>1287247</b>	<b>981948</b>	<b>592758</b>
East Azarbayjan.....	162894	94698	64338	43846	103378	50852
West Azarbayjan.....	109436	109857	70338	67140	49758	42717
Ardebil.....	39422	35421	12688	17711	29553	17710
Esfahan.....	105754	50192	59876	33155	54682	17037
Alborz.....	22882	22889	957	2335	21937	20554
Ilam.....	7383	4821	2065	1578	5318	3243
Bushehr.....	20423	33096	18687	28894	1803	4202
Tehran.....	24799	24050	1353	2472	23675	21578
Chaharmahal & Bakhtiari.....	31480	22512	15758	9669	17939	12843
South Khorasan.....	46949	36287	38856	32607	13619	3680
Khorasan-e-Razavi.....	153379	151411	91276	108190	81004	43221
North Khorasan.....	40379	34757	29128	23625	17296	11132
Khuzestan.....	32552	26391	31323	26219	1259	172
Zanjan.....	57775	43957	40243	32825	28658	11132
Semnan.....	23919	16290	7150	4309	16831	11981
Sistan & Baluchestan.....	17684	20231	14114	16253	3857	3978
Fars.....	116431	243044	77232	179287	48799	63757
Qazvin.....	73230	86617	31974	44035	51881	42582
Qom.....	9359	8908	3291	6029	6190	2879
Kordestan.....	59429	36967	41056	20071	50842	16896
Kerman.....	180016	298622	121010	226291	64129	72331
Kermanshah.....	27633	28599	6564	9749	21760	18850
Kohgiluyeh & Boyerahmad.....	22035	21702	7517	8698	14918	13004
Golestan.....	16432	18888	8386	16075	8186	2813
Gilan.....	189659	71512	126424	62891	98858	8621
Lorestan.....	32027	21972	20968	15615	11070	6357
Mazandaran.....	181010	95892	116267	68423	67593	27469
Markazi.....	65850	46480	51932	32671	22356	13809
Hormozgan.....	57779	44880	46296	29754	11835	15126
Hamedan.....	82765	48860	73968	41635	15644	7225
Yazd.....	71082	80203	59816	75198	17318	5005

Source: Statistical Centre of Iran

**5.13. BROILER CHICKEN FARMS AND THEIR HALLS CAPACITY<sup>(1)</sup>**

Year and Ostan	Number of farms			Capacity (1000 fowls)	
	Total	In operation	Out of operation	Total	With automatic feeder system
1376 .....	15291	12950	2340	165036	32531
1379 .....	15293	12026	3267	195881	35542
1380 .....	15383	11279	4104	184786	35275
1383 .....	17267	14216	3051	225729	49879
1388 .....	17192	15207	1985	260241	000
<b>1391 .....</b>	<b>18097</b>	<b>14356</b>	<b>3741</b>	<b>265467</b>	<b>154369</b>
East Azarbayjan .....	794	606	188	8614	4292
West Azarbayjan .....	597	545	52	10774	8833
Ardebil .....	258	224	34	4005	2054
Esfahan .....	1774	1320	454	26790	11773
Alborz .....	202	122	80	2311	639
Ilam .....	261	195	66	3308	3227
Bushehr .....	126	116	10	3122	2990
Tehran .....	315	234	81	8132	3292
Chaharmahal & Bakhtiari .....	164	148	16	2957	677
South Khorasan .....	749	563	186	7181	1521
Khorasan-e-Razavi .....	1326	1085	241	15645	8178
North Khorasan .....	66	54	12	1182	640
Khuzestan .....	742	590	152	11180	4117
Zanjan .....	118	107	11	3430	2733
Semnan .....	462	317	145	7622	5962
Sistan & Baluchestan .....	128	79	49	2247	40
Fars .....	1038	704	334	15499	10671
Qazvin .....	500	439	61	8380	5348
Qom .....	369	305	64	6018	2900
Kordestan .....	525	458	67	8066	6718
Kerman .....	747	600	147	6220	1527
Kermanshah .....	775	599	176	6816	3078
Kohgiluyeh & Boyerahmad .....	114	87	27	1430	492
Golestan .....	844	746	98	19577	14646
Gilan .....	673	585	88	12784	8919
Lorestan .....	462	374	88	6251	4970
Mazandaran .....	1700	1408	292	27040	19092
Markazi .....	641	478	163	9190	5455
Hormozgan .....	250	186	64	4142	1839
Hamedan .....	520	442	78	6498	3944
Yazd .....	857	640	217	9056	3802

1. Capacity refers to the number of chickens - hen or cock - that can be reared with regard to installations and equipment available on the farm

Source: Statistical Centre of

**5.14. QUANTITY AND VALUE OF PRODUCTION AT BROILER CHICKEN FARMS****(ton; mln rials)**

Year and Ostan	Full-grown		Cull <sup>(1)</sup>		Manure	
	Quantity	Value	Quantity	Value	Quantity	Value
1373 .....	613021	1277677	10819	14193	566388	16914
1375 .....	863821	3072880	9957	25178	710372	40374
1378 .....	803349	5062491	12785	48815	714795	48716
1379 .....	799367	5082299	11283	43584	747091	65032
1382 .....	1371018	11409123	13282	68555	1049603	101504
1389 .....	1862838	37628484	14161	176735	1413890	360126
<b>1390.....</b>	<b>1907194</b>	<b>43534365</b>	<b>13565</b>	<b>194293</b>	<b>1462665</b>	<b>492869</b>
East Azarbaijan .....	69969	1564631	798	9915	51014	14926
West Azarbaijan .....	73334	1699749	653	7130	52957	14767
Ardebil .....	32420	740902	139	1570	20815	5317
Esfahan .....	163972	3874689	1013	12018	118351	41247
Alborz .....	11778	281392	98	1849	8029	2373
Ilam .....	30549	697558	133	2542	24586	10251
Bushehr .....	23375	536544	217	2139	14004	6395
Tehran .....	57910	1230349	27	353	26751	9586
Chaharmahal & Bakhtiari .....	24322	580292	419	8611	18048	6194
South Khorasan <sup>(2)</sup> .....	40432	886283	463	7289	9947	2856
Khorasan-e-Razavi <sup>(2)</sup> .....	104701	2338383	807	13697	71544	25267
North Khorasan <sup>(2)</sup> .....	8639	198645	39	609	5909	1614
Khuzestan .....	67042	1762353	852	13325	47234	24014
Zanjan .....	27267	577624	28	405	21078	5031
Semnan .....	47555	1042089	384	6368	119872	60696
Sistan & Baluchestan .....	15047	443934	244	4489	14577	5816
Fars .....	89663	2000807	854	13501	61217	25273
Qazvin .....	62363	1450279	372	4469	47226	16429
Qom .....	40485	999474	211	2737	34444	11872
Kordestan .....	69659	1713921	913	13154	45006	14164
Kerman .....	40317	866006	289	4203	27707	19272
Kermanshah .....	42175	919900	594	8951	12335	4479
Kohgiluyeh & Boyerahmad .....	8919	216162	57	862	5082	1248
Golestan .....	171740	3735518	1088	15897	121725	25997
Gilan .....	108952	2492951	21	260	73362	6583
Lorestan .....	43910	1003545	509	7458	26266	8125
Mazandaran .....	238298	5400231	1207	13227	169259	28934
Markazi .....	67971	1462320	241	3353	42424	15316
Hormozgan .....	22532	536915	257	4233	10218	4798
Hamedan .....	45004	1047403	275	4658	116491	52823
Yazd .....	56894	1233515	363	5021	45187	21207

1. Chicken culled for various reasons or delivered to slaughterhouses at the end of raising period can be used as meat

Source: Statistical Centre of Iran.

**5.15. NUMBER AND HALL CAPACITY<sup>(1)</sup> OF LAYER CHICKEN AND PULLET FARMS**

Year and Ostan	Number of farms	Number of poultry halls	Capacity (1000 fowls)
1370 .....	881	3361	40491
1375 .....	1023	3600	50495
1380 .....	1406	4839	71282
1382 .....	1414	5984	72707
1385 .....	1432	5096	76046
1388 .....	1380	4271	69221
1390 .....	1286	4043	68359
<b>1391 .....</b>	<b>1350</b>	<b>4358</b>	<b>71113</b>
East Azarbayjan .....	227	609	7783
West Azarbayjan .....	25	60	629
Ardebil .....	18	25	465
Esfahan .....	148	442	8343
Alborz .....	93	347	5769
Tehran .....	129	701	11050
Chaharmahal & Bakhtiyari .....	5	7	154
South Khorasan .....	16	35	541
Khorasan-e-Razavi .....	195	537	7806
Khuzestan .....	7	47	451
Zanjan .....	15	38	826
Semnan .....	19	44	906
Fars .....	32	144	2644
Qazvin .....	41	214	5706
Qom .....	155	473	6959
Kordestan .....	6	10	175
Kerman .....	15	50	963
Kermanshah .....	16	31	756
Kohgiluyeh & Boyerahmad .....	4	24	150
Golestan .....	17	113	2000
Lorestan .....	3	8	146
Mazandaran .....	26	54	886
Markazi .....	71	159	2993
Hamedan .....	30	75	1219
Yazd .....	32	98	1444
Other Ostans <sup>(2)</sup> .....	5	13	352

1. Capacity refers to the number of chickens- hen or cock- that can be reared with regard to installations and equipment available on the farm.

2. Including all Ostans that have not been mentioned

Source: Statistical Centre of Iran.

**5.16. QUANTITY AND VALUE OF PRODUCTION AT LAYER CHICKEN AND PULLET FARMS**

(ton; mln rials)

Year and Ostan	Edible eggs		Cull <sup>1</sup>		Manure	
	Quantity	Value	Quantity	Value	Quantity	Value
1374 .....	411131	755630	16114	24356	419134	14105
1377 .....	434715	1300114	19872	48159	471310	24444
1379 .....	506192	1682290	22017	70598	479965	33749
1381 .....	571017	2455505	18213	71058	538009	40905
1384 .....	576478	3021222	23301	91212	498321	45873
1389 .....	<sup>(2)</sup> 686531	<sup>(2)</sup> 8548520	13937	137027	478298	116679
<b>1390 .....</b>	<b><sup>(2)</sup>558659</b>	<b><sup>(2)</sup>12132039</b>	<b>16315</b>	<b>181233</b>	<b>397089</b>	<b>127486</b>
East Azarbayjan.....	62043	1365349	2712	24851	42481	11116
West Azarbayjan.....	6394	135469	244	3174	4217	930
Ardebil.....	2731	66938	90	1042	1358	363
Esfahan .....	88708	2024386	3543	32865	64520	22483
Alborz.....	41637	725210	7	65	20054	3654
Tehran.....	38482	979281	127	1578	29488	11087
Chaharmahal & Bakhtiyari.....	1041	18432	150	2100	800	173
South Khorasan.....	5791	141719	59	544	3331	1148
Khorasan-e-Razavi .....	76812	1585321	2146	35150	51524	11565
Khuzestan .....	3016	70287	97	1460	2621	1371
Zanjan.....	6193	132456	207	1944	4127	1206
Semnan .....	7699	153743	0	1	2914	871
Fars .....	27452	677982	411	3249	22248	8664
Qazvin.....	21948	466824	330	3741	25494	8289
Qom .....	63024	1350732	2383	26094	49442	18633
Kordestan.....	1673	46031	224	1190	1053	302
Kerman .....	14062	329083	133	1742	16097	9806
Kermanshah.....	5415	102256	114	602	1876	400
Kohgiluyeh & Boyerahmad.....	165	4114	0	3	120	48
Golestan.....	29591	614810	914	10240	13977	2779
Lorestan .....	789	17490	70	841	292	46
Mazandaran .....	4225	95528	112	1270	4267	818
Markazi.....	24346	478773	1120	8821	16004	6243
Hamedan.....	13094	283181	696	12812	8168	1750
Yazd.....	10243	219784	25	235	8678	3151
Other Ostans <sup>(3)</sup> .....	2085	46860	401	5618	1938	587

1. Chicken culled for various reasons or delivered to slaughterhouses at the end of raising period can be used as meat

2. Edible eggs includes shell-less and broken eggs

3. Including all Ostans that have not been mentioned

Source: Statistical Centre of Iran.



**5.17. NUMBER AND CAPACITY OF OPERATING MODERN CATTLE FARMS BY ACTIVITY (head)**

Year and activity	Number	Capacity <sup>(1)</sup>	
		Total	Breeders
1373 .....	9879	916371	369674
1375 .....	9042	962228	408253
1379 .....	8559	982074	-
1383 .....	14076	1637694	-
1385 .....	14645	1895863	-
1389 .....	24660	2747524	-
<b>1392 .....</b>	<b>18299</b>	<b>2572999</b>	-
Dairy cattle .....	12334	1815480	-
Beef cattle only .....	5965	757519	-

*1. Total capacity refers to the total number of livestock that can be reared with regard to installations and equipment available on the farm while breeders capacity refers to the share of the total capacity allocated to female cows, dairy or not dairy, in-calf or not in-calf.*

*Sources: Statistical Centre of Iran.*

**5.18. TOTAL NUMBER OF COWS AND CALVES IN OPERATING MODERN CATTLE FARMS****(head)**

Year and Ostan	Total cattle			Number of cattle in dairy cattle farms		
	Total	Exotic	Indigenous	Total	Exotic	Indigenous
1373 .....	524162	484970	39192	456161	446801	9360
1375 .....	539937	498201	41736	500047	478344	21703
1379 .....	561494	518589	42905	510038	493407	16631
1383 .....	1086672	933700	152972	806785	794883	11902
1386 .....	1158904	1050587	108317	917461	905012	12449
<b>1392 .....</b>	<b>1365935</b>	<b>1274237</b>	<b>91698</b>	<b>1022223</b>	<b>1015673</b>	<b>6550</b>
East Azarbayjan .....	32463	31711	752	28487	28247	240
West Azarbayjan .....	18317	16834	1483	13946	13594	352
Ardebil .....	19460	19053	407	16990	16898	92
Esfahan .....	194898	193563	1335	185843	184657	1186
Alborz .....	60081	59818	263	57241	56978	263
Ilam .....	3236	3216	20	2251	2247	4
Bushehr .....	13647	9574	4073	814	711	103
Tehran .....	299875	244587	55288	168774	167302	1472
Chaharmahal & Bakhtiari .....	22914	22910	4	22589	22585	4
South Khorasan .....	9225	9144	81	8705	8644	61
Khorasan-e-Razavi .....	112909	112687	222	109188	108986	202
North Khorasan.....	6623	6616	7	5501	5499	2
Khuzestan .....	18251	17097	1154	3840	3755	85
Zanjan .....	12977	12793	184	11233	11233	0
Semnan .....	37570	36398	1172	26205	26121	84
Sistan & Baluchestan .....	5738	4141	1597	1435	1160	275
Fars .....	98497	93991	4506	78311	78225	86
Qazvin .....	65925	64965	960	58263	57945	318
Qom .....	60601	52497	8104	24993	24948	45
Kordestan .....	4287	4264	23	3384	3376	8
Kerman .....	37596	36521	1075	34272	33804	468
Kermanshah .....	15450	15380	70	13270	13270	0
Kohgiluyeh & Boyerahmad .....	4973	4914	59	3434	3429	5
Golestan .....	23370	23338	32	23010	22978	32
Gilan .....	4004	3534	470	3299	3154	145
Lorestan .....	11606	10691	915	8541	8475	66
Mazandaran .....	23882	20703	3179	19892	19349	543
Markazi .....	75997	72862	3135	22040	21919	121
Hormozgan .....	1715	776	939	327	194	133
Hamedan .....	16084	16033	51	14903	14886	17
Yazd .....	53764	53626	138	51242	51104	138

*Sources: Statistical Centre of Iran*

### 5.19. QUANTITY AND VALUE OF MILK AND MANURE PRODUCED IN MODERN CATTLE FARMS

Year and Ostan	Milk		Manure			
	Quantity (1000 tons)	Value (mln rial)	Total cattle farms		Dairy cattle farms	
			Quantity (1000 cu m)	Value (mln rial)	Quantity (1000 cu m)	Value (mln rial)
1372 .....	799	250728	2523	9789	2256	8857
1374 .....	1007	513634	2415	17755	2229	16173
1378 .....	1215	1247549	2000	35060	1865	32775
1382 .....	1782	3507457	2602	124958	2109	107210
1385 .....	2415	6624859	3233	197484	2680	169334
1388 .....	3216	-	-	-	-	-
<b>1391 .....</b>	<b>3794</b>	<b>31934434</b>	<b>2741</b>	<b>559675</b>	-	-
East Azarbayjan .....	98	825081	53	10122	-	-
West Azarbayjan.....	35	267260	38	5801	-	-
Ardebil.....	54	464903	35	8195	-	-
Esfahan .....	691	5985515	485	86571	-	-
Alborz .....	242	2048221	123	16528	-	-
Ilam.....	4	29701	5	1815	-	-
Bushehr.....	2	24263	11	3740	-	-
Tehran.....	689	5902965	495	70047	-	-
Chaharmahal & Bakhtiyari.....	71	595775	53	9918	-	-
South Khorasan.....	25	184873	19	3334	-	-
Khorasan-e-Razavi .....	358	3082756	141	41171	-	-
North Khorasan.....	18	140325	13	2111	-	-
Khuzestan .....	9	74274	32	5239	-	-
Zanjan.....	53	470228	33	9809	-	-
Semnan .....	96	810144	51	16729	-	-
Sistan & Baluchestan.....	1	8366	4	363	-	-
Fars .....	348	2643113	186	53965	-	-
Qazvin .....	232	2104157	168	22894	-	-
Qom .....	85	716995	139	28005	-	-
Kordestan.....	10	81661	6	601	-	-
Kerman .....	100	754606	67	25582	-	-
Kermanshah .....	50	449444	33	2274	-	-
Kohgiluyeh & Boyerahmad.....	16	143686	21	1409	-	-
Golestan .....	85	673621	84	10511	-	-
Gilan .....	11	82635	14	3232	-	-
Lorestan .....	23	177386	31	6208	-	-
Mazandaran .....	60	471433	91	22710	-	-
Markazi.....	115	962349	126	19454	-	-
Hormozgan .....	0	3968	2	640	-	-
Hamedan.....	44	346614	37	4585	-	-
Yazd.....	169	1408116	148	66113	-	-

Sources: Statistical Centre of Iran.

**5.20. NUMBER AND WEIGHT OF LIVESTOCK SLAUGHTERED AT AUTHORIZED  
SLAUGHTER HOUSES**

(1000 carcasses- 1000 tons)

Year	Total		Sheep		Goats	
	Number	Weight	Number	Weight	Number	Weight
1375 .....	11265	356	7946	149	2030	27
1380 <sup>(1)</sup> .....	12769	419	8743	141	2264	29
1385 <sup>(1)</sup> .....	14375	463	9870	166	2914	39
1389 .....	7917	346	4884	90	1749	25
1390 .....	8950	391	5673	104	1842	27
1391 .....	10393	416	6828	126	2129	32
1392 .....	10735	377	7450	138	2206	33
<b>1393 .....</b>	<b>12873</b>	<b>425</b>	<b>9196</b>	<b>165</b>	<b>2504</b>	<b>37</b>

Year	Cattles		Buffaloes		Camels	
	Number	Weight	Number	Weight	Number	Weight
1375 .....	1205	166	65	10	20	4
1380 <sup>(1)</sup> .....	1645	228	50	8	67	13
1385 <sup>(1)</sup> .....	1518	246	46	7	27	5
1389 .....	1235	222	20	3	29	6
1390 .....	1382	250	26	4	27	6
1391 .....	1378	248	32	5	26	5
1392 .....	1035	198	20	3	24	5
<b>1393 .....</b>	<b>1126</b>	<b>214</b>	<b>28</b>	<b>5</b>	<b>19</b>	<b>4</b>

1. Including private slaughterhouses that are operating under the license of Veterinary Organization.

Source: Statistical Centre of Iran.

**5.21.UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY  
REGIONAL WATER ORGANIZATIONS** (ha; mln cum)

Regional water organizations and irrigation and drainage networks	Area under cultivation	Volume of water entered the network <sup>(1)</sup>
1380 .....	778694	7464
1387-88 <sup>(2)</sup> .....	747074	10507
1388-89 .....	702119	11864
1389-90 .....	1602440	14412
1390-91 .....	1460052	13709
1391-92 .....	778694	7464
<b>1392-93 .....</b>	<b>924612</b>	<b>12894</b>
<b>East Azarbayjan .....</b>	<b>8326</b>	<b>45</b>
Sufichay .....	2795	19
Sattarkhan .....	4331	23
Bonab-e- Marand.....	0	0
Zonooz-e chukhorzamee .....	1200	4
<b>West Azarbayjan .....</b>	<b>52736</b>	<b>704</b>
Dasht-e-Shiblu .....	1758	31
Dasht-e-Zanganeh .....	630	6
Zarrinehrud (Miyandoab) <sup>(2)</sup> .....	31640	448
Mahabad .....	10936	104
Qanbar Kandi.....	1171	18
Hasanlu .....	3264	44
Poldasht .....	3337	53
<b>Ardebil.....</b>	<b>100792</b>	<b>1073</b>
Quri chay .....	1876	3
Moghan.....	92012	1045
Ardebil .....	6524	23
Saghezchee.....	380	2
<b>Esfahan .....</b>	<b>15935</b>	<b>133</b>
Abshar .....	0	0
Borkhar(Esfahan) .....	300	1
Rudashtin .....	0	0
Karvan (Khamiran).....	1080	9
Mahyar .....	1080	0
Nekuabad .....	4240	75
Golpayegan .....	7600	33
Hanna .....	1635	14
<b>Alborz .....</b>	<b>11072</b>	<b>12</b>
Kordan .....	11072	12
<b>Ilam .....</b>	<b>22063</b>	<b>244</b>
Konjan Cham (Mehran).....	1267	25
Holilan .....	950	14
Doviraj 1 & 2.....	3500	32
Amirabad.....	91	1
Dasht-e-Abbas.....	13155	150
Meymeh.....	2000	14
Mulab.....	480	3

**5.21.UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY  
REGIONAL WATER ORGANIZATIONS (continued) (ha; mln cu m)**

Regional water organizations and irrigation and drainage network	Area under cultivation	Volume of water entered the network <sup>(1)</sup>
Pahle va Parchineh.....	250	2
Saleh Abad.....	370	2
<b>Bushehr.....</b>	<b>18320</b>	<b>323</b>
Ahram.....	775	13
Dalaki.....	8000	147
Abikhsh (former Shabankareh).....	6570	132
Kelel.....	1120	14
Shabankareh.....	1855	17
<b>Tehran.....</b>	<b>57335</b>	<b>210</b>
Varamin.....	46000	120
Karaj.....	5235	31
Robat Karim.....	6100	59
<b>Chaharmahal &amp; Bakhtiyari.....</b>	<b>2840</b>	<b>26</b>
Ardal.....	510	4
Jonaqan.....	500	5
Gandoman & Boldaji.....	1430	14
Dasht-e Bar Aftab-e- Kalbali Koshteh.....	400	2
<b>South Khorasan.....</b>	<b>27</b>	<b>1</b>
Shahid Parsa.....	0	0
Farokhee.....	27	1
Nahreyen.....	0	0
Keriet.....	0	0
<b>Khorasan-e-Razavi.....</b>	<b>9631</b>	<b>51</b>
Shahid Yaqubi.....	385	1
Shahid Dehqan.....	20	0
Tabarakabad.....	1385	7
Sangard.....	480	3
Kamayestan.....	90	1
Fariman.....	1775	6
Doostee.....	900	6
Zavin.....	330	1
Sedeh.....	816	5
Torogh.....	2100	11
Kardeh.....	1350	8
<b>North Khorasan.....</b>	<b>7046</b>	<b>50</b>
Shirvan.....	2614	7
Chery.....	192	1
Esfarayn.....	1539	14
Bojnourd (Shireen Dareh).....	2701	27
<b>Khuzestan.....</b>	<b>242765</b>	<b>6513</b>
Avan.....	13811	85
Dez.....	103075	3619

**5.21.UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY  
REGIONAL WATER ORGANIZATIONS (continued) (ha; mln cu m)**

Regional water organizations and irrigation and drainage network	Area under cultivation	Volume of water entered the network <sup>(1)</sup>
Shavur .....	5810	116
Fajr & Jayzan .....	5339	91
Gotvand .....	20402	1147
Marun (Behbahan) .....	12154	233
Veys .....	8462	105
Beneh Basht .....	2805	36
Shahid Rajaei .....	4476	42
Shadegan .....	3197	62
Ramshir .....	8368	58
Dareyon .....	8425	326
Damghani .....	44	3
Kowsar .....	4806	47
Karkheh-e- Jonoubee .....	25463	331
Karkheh-e- Shomalee .....	13811	179
Khoramshahr .....	279	8
Hendijohn .....	2038	28
<b>Semnan. ....</b>	<b>20507</b>	<b>129</b>
Garmsar .....	19610	118
Damghani .....	897	11
<b>Sistan &amp; Baluchestan .....</b>	<b>62675</b>	<b>802</b>
Bampur Nimeh .....	890	1
Chahnimehnimeh .....	33485	409
Miyankangi .....	25400	347
Bahukalat .....	2900	44
<b>Fars .....</b>	<b>19765</b>	<b>200</b>
Dorudzan (Ramjerd) .....	19585	197
Iezadkhast .....	180	3
<b>Qazvin .....</b>	<b>14442</b>	<b>151</b>
Qazvin .....	14442	151
<b>Kordestan .....</b>	<b>3151</b>	<b>26</b>
Zarivar (Marivan) .....	0	0
Qeshlaq .....	485	2
Kamyaran .....	2106	18
Legzy .....	560	6
<b>Kerman. ....</b>	<b>2732</b>	<b>67</b>
Jiroft .....	645	22
Narmashir .....	2087	45
<b>Kermanshah .....</b>	<b>11470</b>	<b>90</b>
Berimvand.(Dasht-e Zahob) .....	950	7
Jegarlu.(Qasr-e Shirin) .....	270	1
Ravansar .....	900	6

**5.21.UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY  
REGIONAL WATER ORGANIZATIONS (continued) (ha; mln cu m)**

Regional water organizations and irrigation and drainage network	Area under cultivation	Volume of water entered the network <sup>(1)</sup>
Sefidbarg .....	170	15
Sumar .....	680	4
Eainlqas.....	800	2
Nazliyan .....	700	2
Mian darband .....	5000	36
Bilevar.....	2000	18
<b>Kohgiluyeh &amp; Boyerahmad .....</b>	<b>4470</b>	<b>72</b>
Servak & Shahqasem .....	500	3
Dasht-e-rum .....	350	3
Dasht-e-choram.....	700	1
Dasht-e-chitab.....	400	7
Lishter & Kheirabad .....	2400	53
Rudyal .....	120	5
<b>Golestan .....</b>	<b>20367</b>	<b>90</b>
Voshmgir .....	12929	49
Golestan I .....	4654	25
Kowsar .....	716	4
Bustan .....	2068	12
<b>Gilan .....</b>	<b>171000</b>	<b>1529</b>
Sefidrud & Fumanat <sup>(2)</sup> .....	117103	1075
Fumanat .....	51097	201
Golerud .....	2800	253
<b>Lorestan.....</b>	<b>5205</b>	<b>65</b>
Chogholvandi.....	1015	15
Aliabad (Dorud).....	330	1
Silakhur.....	3450	45
Gaznar Aligoudarz.....	95	0
Haleh Koohdasht .....	70	1
Glum Bahri .....	245	3
<b>Mazandaran. ....</b>	<b>26885</b>	<b>199</b>
Tajan .....	11694	157
Alborz .....	12464	21
Gelevard.....	2727	20
<b>Markazi.....</b>	<b>3570</b>	<b>17</b>
Saveh.....	3570	17
<b>Hormozgan. ....</b>	<b>7950</b>	<b>47</b>
Minab .....	5860	27
Jegien .....	2090	20
<b>Hamedan .....</b>	<b>1535</b>	<b>28</b>
Shaban Borzul.....	1535	28

1. Utilized also for non-agricultural consumption such as drinking, sanitation, manufacturing and raising of aquatic animals (changing from 0% to 35% ).

2. Data for previous years were prepared and presented based on the SolarYear. Since the utilization of irrigation networks corresponds to crop year, the current year's data are also presented in the crop year..

Source: Ministry of Energy.



**5.22. GUARANTEED PURCHASE PRICE PER KILOGRAM OF BASIC CROPS (rial)**

Crop	1375	1380	1385	1389	1390	1391	1392	1393
Wheat.....	410	1050	2050	3600	3950	5500	10500	<sup>(1)</sup> 11500
Barley .....	317	800	1520	2900	3400	4500	7800	9200
Grain corn.....	348	890	1620	3000	3500	4650	8700	9600
Peas.....	727	1870	5000	6800	7900	10200	19000	22200
Navy beans .....	870	2240	4500	×	7000	9000	18000	21000
Kidney beans .....	808	2065	4500	6000	7000	9000	17800	21000
Pinto beans.....	1030	2650	4500	6200	7200	9500	18000	21000
Lentils.....	895	2285	5000	6800	7900	10200	20000	23000
Sugar beets.....	97	252	460	900	1050	1350	2100	2700
Cotton (unginned).....	1600	2820	5000	9000	10500	14000	22000	25500
Soybeans.....	683	1770	3200	5200	6620	8700	17000	19700
Sunflower seeds.....	870	2035	3400	6000	7000	9500	18500	21500
Potatoes.....	174	437	883	1450	1470	1900	3000	<sup>(2)</sup> 3600
Onions.....	137	377	627	900	1050	1350	2000	<sup>(3)</sup> 2400

1. Referring to the price for regular wheat. Price for the second round wheat is 11800 Rials.

2. Referring to the price for fall, spring and summer potatoes. Price for Tarhe Estemrar potato is 4400 Rials.

3. Referring to the price for fall, spring and summer onions. Price for Tarhe Estemrar onion is 2700 Rials.

Source: Government.

**5.23. AVERAGE FARM-GATE SALE PRICE PER KILOGRAM OF SELECTED ANNUAL CROPS IN RURAL AREAS** (rial)

Year and Ostan	Wheat	Barley	Rice (paddy)	Peas	Pinto beans	Lentils	Sugar beet	Cotton	Manufactured tobacco
1375.....	422	375	1065	1167	2775	1394	-	1624	-
1380.....	1049	819	2385	2479	3688	2427	257	2801	6054
1385.....	2068	1603	3765	6847	6477	5326	497	4835	14360
1389.....	3189	2482	7378	7547	14138	10310	800	12767	29136
1390.....	3412	3542	9509	11488	16390	13550	933	11377	31898
1391.....	4362	4934	12238	20359	34903	18977	1128	17674	39631
1392.....	7609	6538	23503	25340	53283	25694	1891	23726	44757
<b>1393.....</b>	<b>10476</b>	<b>8741</b>	<b>23361</b>	<b>19154</b>	<b>38899</b>	<b>28266</b>	<b>2643</b>	<b>22875</b>	<b>60845</b>
East Azarbayjan .....	10948	9785	×	30136	50654	25803	4094	×	×
West Azarbayjan .....	10322	9017	×	17566	100000	30000	2263	×	×
Ardebil .....	10326	9663	×	31908	63445	31572	48900	×	×
Esfahan.....	10531	8580	×	21286	42797	19953	2821	23605	×
Alborz .....	10515	10902	×	13624	×	×	×	×	×
Ilam .....	10661	10024	×	19701	49405	45135	×	×	×
Bushehr .....	10573	8039	×	×	×	×	×	×	×
Tehran .....	10602	9090	×	×	×	×	×	×	×
Chaharmahal & Bakhtiari .....	10415	8609	×	×	36782	19693	2641	×	×
South Khorasan.....	10627	9061	×	×	×	×	1944	24489	×
Khorasan-e-Razavi.....	10504	9476	×	25686	×	×	2996	22736	×
North Khorasan .....	10535	9761	×	18420	×	×	2580	23578	×
Khuzestan.....	10481	8350	13640	×	×	×	1920	×	×
Zanjan .....	10398	8999	25945	17726	52330	26579	×	×	×
Semnan.....	10545	8796	×	×	50952	×	2397	23474	×
Sistan & Baluchestan .....	9846	7849	15000	×	×	×	×	×	×
Fars.....	10509	8705	26238	18801	36068	27783	2672	21751	×
Qazvin .....	10326	8294	×	32857	64844	38843	2998	0	×
Qom.....	9977	8547	×	×	57833	×	×	22968	×
Kordestan .....	10447	8494	×	16103	×	30746	×	×	×
Kerman.....	10481	8214	×	37234	×	29308	×	×	×
Kermanshah .....	10539	8162	×	16748	×	43376	2505	×	×
Kohgiluyeh&Boyerahmad	10445	8484	15115	26860	36477	25208	×	×	×
Golestan .....	10553	8999	22978	×	×	×	×	25251	57029
Gilan.....	12848	9713	28951	×	×	×	×	×	94397
Lorestan.....	10504	8122	×	17379	40243	18101	2489	×	×
Mazandaran.....	10198	9099	22599	×	42122	×	×	×	70861
Markazi .....	10690	8528	×	×	41497	×	6358	×	×
Hormozgan.....	8008	×	×	×	×	×	×	×	×
Hamedan .....	10354	7231	×	28581	×	×	2598	×	×
Yazd .....	10554	8260	×	×	×	×	×	×	×

**5.23. AVERAGE FARM-GATE SALE PRICE PER KILOGRAM OF SELECTED ANNUAL CROPS IN RURAL AREAS (continued) (rial)**

Year and Ostan	Tobacco leaves	Sun flower oil seeds	Melons	Water-melons	Cucumbers	Potatoes	Onions	Tomatoes	Alfalfa, dry
1375 .....	-	1194	251	148	426	455	415	210	360
1380 .....	3903	2618	650	437	617	531	580	604	758 <sup>(1)</sup>
1385 .....	12230	3794	1598	1033	2161	1671	1308	1059	1328
1389 .....	20879	6745	2331	1242	3454	2791	1994	2150	1927
1390 .....	35802	8467	3002	1520	5488	2158	1837	2682	3103
1391 .....	86523	11293	4745	2505	7761	2515	3437	3523	4732
1392 .....	136770	23532	5776	4041	10697	12394	6183	7069	5341
<b>1393 .....</b>	<b>113319</b>	<b>15012</b>	<b>6453</b>	<b>3786</b>	<b>9876</b>	<b>8195</b>	<b>7178</b>	<b>4908</b>	<b>6498</b>
East Azarbayjan .....	×	×	7097	5258	11210	6389	6597	3588	5946
West Azarbayjan .....	×	×	10789	6682	10719	7919	6183	2408	5156
Ardebil .....	×	×	3827	2424	6119	7156	×	2441	6428
Esfahan .....	80000	×	10479	4769	6710	7010	×	9634	7943
Alborz .....	×	×	×	×	7705	×	6357	6161	7101
Ilam .....	×	×	×	×	9737	×	6721	10120	4155
Bushehr .....	112551	×	×	2123	7396	12000	9754	9244	×
Tehran .....	×	×	×	×	10359	9968	×	4066	6290
Chaharmahal & Bakhtiyari ...	×	×	×	×	12184	7723	×	10000	6601
South Khorasan .....	×	×	7065	4923	14186	×	10423	10153	5226
Khorasan-e-Razavi .....	×	×	6065	3508	10387	×	6251	3225	8017
North Khorasan .....	×	37859	5043	5000	11507	12497	6429	2805	8544
Khuzestan .....	×	×	3431	3116	5229	8357	3461	8213	4176
Zanjan .....	×	×	6023	3107	11269	7632	6075	3229	6034
Semnan .....	×	14937	8554	×	17254	10488	6018	5284	7218
Sistan & Baluchestan .....	150000	×	8708	6483	11911	×	8665	9437	6707
Fars .....	×	×	3214	3670	5104	×	5877	4734	6762
Qazvin .....	×	×	8356	4685	9469	8484	8007	4102	6209
Qom .....	×	×	11289	7553	×	×	7332	×	6775
Kordestan .....	×	×	7000	3941	13097	7546	8250	×	6420
Kerman .....	×	×	6968	4568	6771	6420	4097	×	6831
Kermanshah .....	×	×	×	3955	5649	8066	5765	3692	5866
Kohgiluyeh & Boyerahmad ..	×	×	×	2018	14928	×	×	8310	8322
Golestan .....	×	12648	5156	7328	5823	10610	6670	3004	7000
Gilan .....	×	×	×	3950	12449	×	×	10026	×
Lorestan .....	×	×	×	×	8148	7991	3006	5911	×
Mazandaran .....	×	×	×	×	13695	10963	8704	7697	×
Markazi .....	×	×	7224	3293	17289	10580	6784	7496	7021
Hormozgan .....	×	×	×	5420	9003	5000	14328	9091	×
Hamedan .....	×	×	×	3807	8234	8548	4000	6303	×
Yazd .....	×	×	7419	4111	10516	×	7367	8976	×

1. In the year 1380, the price of dried alfalfa and clover was included together.

Source: Statistical Centre of Iran.

**5.24. AVERAGE FARM-GATE SALE PRICE PER KILOGRAM OF SELECTED PERENNIAL CROPS IN RURAL AREAS (rial)**

Year and Ostan	Apples	Apricots	Pears	Grapes	Oranges	Dates	Pomegranates	Pistachios	Almonds	Walnuts
1375 .....	481	574	582	716	636	779	390	10548	3710	4319
1380 .....	992	1721	1314	874	1354	1589	946	22649	4772	10364
1385 .....	2790	2709	3204	2046	2786	3131	3240	30461	12763	21283
1389 .....	6092	13840	11805	3543	5038	7045	7719	69404	26286	40695
1390 .....	7428	11525	14901	5835	5791	5443	7902	30059	47323	53093
1391 .....	7635	16733	19112	7209	7211	9251	11890	153476	58318	79700
1392.....	14680	27599	25900	10290	7042	17858	12014	256882	94120	155540
<b>1393.....</b>	<b>15194</b>	<b>52581</b>	<b>32705</b>	<b>11402</b>	<b>17190</b>	<b>16928</b>	<b>17114</b>	<b>297736</b>	<b>93394</b>	<b>174182</b>
East Azarbaijan	14631	91876	20992	11280	×	×	×	×	68605	×
West Azarbaijan.	14009	×	×	13588	×	×	×	×	×	×
Ardebil.....	13891	20889	30572	26096	×	×	×	×	×	×
Esfahan .....	12578	30526	×	9208	×	×	12175	336239	×	×
Alborz.....	24494	×	33757	18094	×	×	×	×	×	×
Ilam.....	×	40141	0	23234	19412	36885	19992	×	×	×
Bushehr.....	×	×	×	×	21905	21710	0	×	×	×
Tehran.....	15488	47625	39158	17699	×	×	13500	×	×	×
Chaharmahal & Bakhtiyari .....	11425	45074	×	14284	×	×	×	×	134921	×
South Khorasan ..	×	30121	×	9905	×	×	14172	×	106970	×
Khorasan-e-Razavi .....	10829	30000	22857	12630	×	×	12649	285983	×	155000
North Khorasan	11654	33452	29655	20875	×	×	×	×	54941	151027
Khuzestan .....	×	×	×	×	13547	10067	×	×	×	×
Zanjan.....	11436	18889	×	12908	×	×	12692	×	79836	×
Semnan .....	17539	32669	43750	12976	×	×	15624	×	×	×
Sistan & Baluchestan.....	×	×	×	20157	×	14975	20209	180000	×	×
Fars .....	11878	26087	×	7946	18686	25000	20861	282615	61311	×
Qazvin.....	19183	18940	34671	14793	×	×	16911	318267	×	193204
Qom.....	21105	39450	42022	19045	×	×	16025	344801	×	×
Kordestan.....	17615	×	×	21767	×	×	×	×	263636	152000
Kerman .....	17827	41102	45566	15286	19355	26373	22720	296216	67579	×
Kermanshah.....	10099	×	×	20126	35000	×	17246	×	×	100000
Kohgiluyeh & Boyerahmad.....	11378	29333	×	7369	11277	×	×	×	×	195992
Golestan.....	×	×	×	×	12241	×	×	×	×	×
Gilan .....	×	×	×	×	12876	×	×	×	×	×
Lorestan .....	×	×	×	30000	×	×	×	×	×	×
Mazandaran .....	14243	23448	24280	11429	15918	×	12300	×	×	×
Markazi.....	13552	34166	×	15797	×	×	17397	250000	×	×
Hormozgan .....	×	×	×	×	11742	22418	×	×	×	×
Hamedan.....	13801	11798	×	12906	×	×	×	×	×	×
Yazd.....	×	57018	×	18172	×	×	13343	250839	100000	×

Source: Statistical Centre of Iran

**5.25. AVERAGE PRODUCTION COSTS AND FARM-GATE PRICES <sup>(1)</sup> PER KILOGRAM OF  
SELECTED ANNUAL CROPS (rial)**

Crop	The year 1384-85		The year 1388-89		The year 1389-90	
	Production cost	Cost price	Production cost	Cost price	Production cost	Cost price
Irrigated wheat .....	5231670	1436	7253270	2090	8939550	2620
Rainfed wheat .....	1403370	1599	2503830	1950	2957690	3150
Irrigated barley .....	4116960	1469	8153460	2200	10813530	3280
Rainfed barley .....	1350890	1712	2371780	2040	2829060	3640
Irrigated grain corn .....	7341900	1008	11656680	1900	9741880	1580
Rainfed forage maize .....	0	0	0	0	0	0
Irrigated peas .....	4086560	3478	8488480	7540	7117420	8690
Rainfed peas .....	1960230	4741	3051190	7390	4058770	8920
Irrigated lentils .....	4459670	4962	9847970	7170	11354620	11150
Rainfed lentils .....	2073850	5364	3639710	7570	4640050	8480
Irrigated sunflower .....	7356290	4349	9233610	5530	12206030	6170
Rainfed sunflower .....	2117150	2717	3237600	3910	4320830	6100
Irrigated cotton .....	8443130	3456	14610440	6070	14290380	5530
Rainfed cotton .....	2873600	2535	0	0	0	0
Sugar beets .....	11179050	323	20366360	440	25216610	530
Irrigated watermelons .....	10088710	397	17482630	580	20948170	840
Rainfed watermelons .....	2704070	561	6258060	640	8207490	1100
Irrigated cucumbers .....	18617830	945	32795210	1530	35536630	1750
Irrigated potatoes.....	19819240	770	39656680	1230	44459940	1540
Irrigated onions .....	16719320	531	24299870	760	23684480	750
Irrigated tomatoes .....	21195640	616	31276340	940	44056310	1270
Irrigated navy beans .....	8142080	3622	15483630	7060	13190420	8750
Irrigated kidney beans .....	7966250	3044	12969040	5590	14222730	8250
Irrigated pinto beans .....	9652740	4354	15017050	8320	20124890	9000
Irrigated spring soybeans .....	5508730	2250	8315690	3940	10285150	4750
Rainfed spring soybeans .....	4263530	3057	6179500	3990	5204100	2570
Irrigated summer soybeans .....	5508080	2357	11402180	4230	8105760	4710
Rainfed summer soybeans .....	2693840	2538	0	0	5893770	3940
Quality long grain rice .....	18511450	4938	29689430	8140	33112010	8530
High-yielding long grain rice .....	12569820	2106	20179150	3800	22938130	4440
Quality mid-size rice .....	16050140	4061	19433330	4840	36382550	7960
Short grain rice .....	10663970	2857	8780310	2960	14683200	5350
High-yielding mid-size grain rice .....	14612310	2580	27184150	4910	40613920	7490
Paddy.....	14372920	3524	15712920	5210	29115390	7730
Irrigated alfalfa.....	0	0	16305980	1450	17062250	1720
Rainfed alfalfa.....	0	0	5001830	1780	4145400	1280
Irrigated clover.....	0	0	0	0	0	0
Irrigated colza .....	5703110	2521	9392800	4480	9015350	3900
Rainfed colza.....	4265290	2202	3831360	3970	6552460	3670

**5.25. AVERAGE PRODUCTION COSTS AND FARM-GATE PRICES<sup>(1)</sup> PER KILOGRAM OF SELECTED ANNUAL CROPS (continued) (rial)**

Crop	The year 1390-91		The year 1391-92	
	Production cost	Cost price	Production cost	Cost price
Irrigated wheat .....	12731980	4230	20112370	5380
Rainfed wheat .....	3731930	4050	5964550	5510
Irrigated barley .....	11708220	3300	19587110	5540
Rainfed barley .....	3889050	4440	5692700	6040
Irrigated grain corn .....	19763430	4500	28555280	4280
Rainfed forage maize .....	26942990	590	26450200	520
Irrigated peas .....	30395860	27210	26571660	20790
Rainfed peas .....	5302940	11970	7090900	13110
Irrigated lentils .....	19424630	14210	20843290	19630
Rainfed lentils .....	6306620	11340	8152100	14430
Irrigated sunflower .....	19101220	12160	29570210	17540
Rainfed sunflower .....	4350840	8400	8976090	11150
Irrigated cotton .....	21353130	9670	25864490	10330
Rainfed cotton .....	0	0	0	0
Sugar beets .....	25732560	490	42743480	940
Irrigated watermelons .....	30980850	1200	44412740	1640
Rainfed watermelons .....	12675920	1210	15895170	1220
Irrigated cucumbers .....	40102510	1570	96523930	4060
Irrigated potatoes.....	46572330	1440	82304380	2260
Irrigated onions .....	37506080	1300	82241730	2510
Irrigated tomatoes .....	52268570	1580	77258700	2310
Irrigated navy beans .....	22610660	12530	36685200	19410
Irrigated kidney beans .....	18030690	9370	35526640	17710
Irrigated pinto beans .....	26332250	10920	42849630	16210
Irrigated spring soybeans .....	29995500	7850	28260680	14270
Rainfed spring soybeans .....	10623680	4400	17051670	6810
Irrigated summer soybeans .....	13780020	5020	17343840	7090
Rainfed summer soybeans .....	0	0	16730010	7540
Quality long grain rice .....	38291130	9990	56530140	14420
High-yielding long grain rice .....	29873080	6120	43720200	9930
Quality mid-size rice .....	35192130	6830	40077460	10820
Short grain rice .....	21531800	6600	82199340	14850
High-yielding mid-size grain rice .....	34579600	5690	50435330	9130
Paddy.....	21106450	6460	39137450	12030
Irrigated alfalfa.....	21836520	1930	30501700	2800
Rainfed alfalfa.....	7819810	2640	10566190	1980
Irrigated clover.....	14375530	710	24506050	2460
Irrigated colza .....	13138780	4620	19715090	9450
Rainfed colza.....	7313280	5240	13502180	9600

1. Farm-gate price of selected annual products excluding by-product.

Source: Ministry of Jihad-e-Agriculture.

**5.26. DOMESTIC PRODUCTION AND SALE OF SELECTED AGRICULTURAL MACHINERY BY MANUFACTURING ESTABLISHMENTS (unit)**

Year	Tractor		Combine		Plough share	
	Production	Sale	Production	Sale	Production	Sale
1375 .....	5452	4727	240	225	6856	6688
1380.....	12208	12560	523	537	7031	4644
1385 .....	32929	27351	968	968	6010	5858
1388.....	13309	17297	362	442	2738	3018
1389.....	18403	19184	229	257	4451	4479
1390.....	23688	23985	163	164	4406	4081
1391.....	29979	32953	263	386	6417	6365
<b>1392.....</b>	<b>25013</b>	<b>21233</b>	<b>230</b>	<b>210</b>	<b>4385</b>	<b>4170</b>

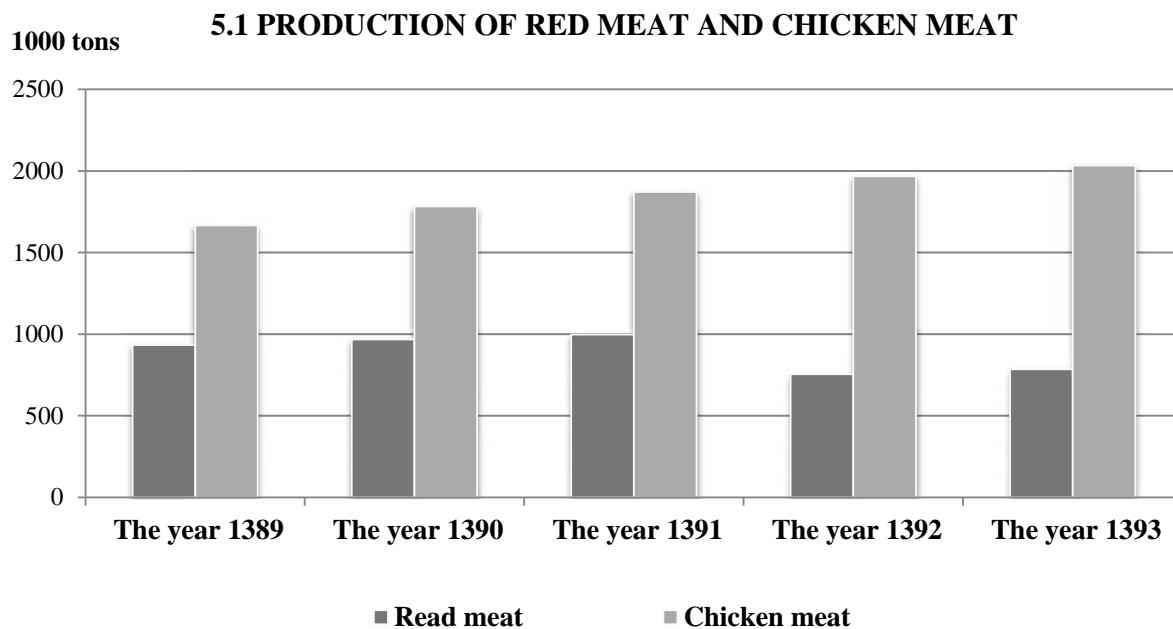
Source: Statistical Centre of Iran.

**5.27.PRODUCTION OF RED MEAT, MILK, CHICKEN MEAT, EGG AND HONEY (1000 tons)**

Year and Ostan	Red meat	Milk	Chicken meat	Egg	Honey
1375 .....	685	4705	676	486	23. 50
1380 .....	743	5748	885	581	26. 10
1385 .....	829	7741	1360	677	36. 04
1389 .....	736	7437	1666	767	45. 02
1390 .....	740	7685	1783	700	50. 70
1391 .....	747	7951	1871	913	71. 10
1392 .....	755	8268	1967	893	74. 60
<b>1393.....</b>	<b>785</b>	<b>8800</b>	<b>2033</b>	<b>925</b>	<b>77. 81</b>
East Azarbayjan .....	49. 42	451. 65	70. 34	88. 50	14. 14
West Azarbayjan.....	43. 28	327. 69	64. 63	10. 17	19. 38
Ardebil .....	28. 11	234. 67	34. 34	8. 60	6. 81
Esfahan .....	40. 74	1075. 87	162. 11	94. 11	3. 79
Alborz.....	9. 07	316. 06	17. 55	91. 77	0. 30
Ilam .....	16. 95	81. 39	33. 87	1. 35	0. 61
Bushehr.....	6. 42	33. 42	29. 57	1. 62	0. 26
Tehran.....	26. 37	894. 68	61. 16	149. 09	0. 68
Chaharmahal & Bakhtiari .....	18. 07	202. 45	18. 84	3. 29	0. 95
South Khorasan .....	12. 83	93. 97	47. 42	11. 12	0. 11
Khorasan-e-Razavi .....	70. 81	847. 67	141. 32	78. 35	1. 35
North Khorasan.....	12. 94	83. 36	10. 22	3. 04	1. 31
Khuzestan .....	40. 12	288. 42	70. 91	7. 88	1. 60
Zanjan .....	13. 53	128. 09	40. 21	10. 85	0. 56
Semnan .....	11. 61	126. 29	48. 48	14. 87	0. 14
Sistan & Baluchestan.....	19. 04	68. 17	16. 11	5. 24	0. 03
Fars .....	60. 22	508. 57	154. 26	37. 34	5. 05
Qazvin .....	23. 04	450. 25	50. 42	69. 91	0. 53
Qom .....	7. 55	112. 45	30. 80	69. 65	0. 29
Kordestan .....	19. 66	112. 44	62. 53	4. 62	1. 09
Kerman .....	32. 77	234. 75	45. 04	18. 38	1. 25
Kermanshah.....	22. 58	186. 44	40. 75	10. 09	2. 60
Kohgiluyeh & Boyerahmad.....	9. 99	60. 75	9. 56	3. 66	0. 83
Golestan .....	25. 11	300. 98	155. 73	23. 03	1. 05
Gilan .....	22. 57	168. 92	164. 89	18. 27	4. 80
Lorestan .....	25. 37	202. 01	49. 46	5. 36	1. 27
Mazandaran .....	43. 61	418. 67	231. 98	11. 82	4. 06
Markazi .....	21. 24	237. 33	51. 58	34. 43	0. 83
Hormozgan .....	10. 62	35. 02	25. 82	1. 22	0. 11
Hamedan.....	26. 71	300. 92	42. 59	18. 10	1. 83
Yazd .....	14. 34	216. 68	50. 53	19. 01	0. 21

Source: Ministry of Jihad of Agriculture.





For data see Table 5.27.

**5.28. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY MINISTRY OF COOPERATIVES, LABOUR AND SOCIAL WELFARE AT THE END OF THE YEAR**

Description	Number	Members	Employed	Capital (mln rials)
<i>Registered cooperatives<sup>(1)</sup></i>				
1375 .....	5839	80029	43539	492792
1380.....	13929	218982	108749	992771
1385.....	25730	345771	190503	1392819
1389.....	34906	459204	265847	3755954
1390.....	37320	459202	292382	3146011
1391.....	41967	523690	350720	3586904
1392.....	45052	556096	397288	5873934
<b>1393.....</b>	<b>46260</b>	<b>572348</b>	<b>408576</b>	<b>5684167</b>
<i>Cooperatives under establishment</i>				
1375 .....	136	1388	790	5295
1380 .....	965	35531	9504	51407
1385.....	4613	72303	37474	140032
1389.....	4299	64363	32671	750722
1390.....	5664	62125	51341	739081
1391.....	8628	101351	98241	816951
1392.....	8802	106296	118455	774698
<b>1393.....</b>	<b>7791</b>	<b>82900</b>	<b>110736</b>	<b>1513966</b>
<i>Cooperatives in operation</i>				
1375 .....	3218	47787	31602	446559
1380 .....	8006	118595	69787	804515
1385.....	14119	190318	109659	1063415
1389.....	16459	204021	134859	2554851
1390.....	16485	211851	134807	1869834
1391.....	16773	216142	135623	2167894
1392.....	16017	217580	140253	3668305
<b>1393.....</b>	<b>16394</b>	<b>220123</b>	<b>138064</b>	<b>2336731</b>

**5.28. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY  
 MINISTRY OF COOPERATIVES, LABOUR AND SOCIAL WELFARE AT THE END OF  
 THE YEAR (continued)**

Description	Number	Members	Employed	Capital (mln rials)
East Azarbayjan .....	390	4201	3400	39354
West Azarbayjan .....	321	2999	3728	113198
Ardebil .....	264	2392	1546	26281
Esfahan.....	412	11881	4240	128023
Alborz .....	129	2140	1465	17362
Ilam .....	597	8447	3885	55103
Bushehr .....	565	4735	7667	78920
Tehran .....	408	14201	6635	92828
Chaharmahal & Bakhtiyari .....	473	4203	3825	50887
South Khorasan.....	179	2761	1764	48867
Khorasan-e-Razavi.....	1245	26808	9669	136252
North Khorasan .....	251	2623	1770	25335
Khuzestan .....	1263	11165	10256	57676
Zanjan .....	816	7392	5290	58048
Semnan .....	294	2866	2293	40621
Sistan & Baluchestan .....	373	3011	3024	29708
Fars .....	751	15837	5379	132117
Qazvin.....	111	1067	985	39856
Qom.....	172	1456	1159	63077
Kordestan .....	218	4102	1334	61796
Kerman .....	1079	14902	8468	143287
Kermanshah .....	618	8876	7290	39133
Kohgiluyeh & Boyerahmad .....	377	3335	3199	32812
Golestan .....	1315	15236	8072	92711
Gilan .....	568	7745	6121	103615
Lorestan .....	647	6505	4935	321212
Mazandaran .....	1018	13903	10474	135423
Markazi .....	367	4412	1510	41816
Hormozgan .....	500	4375	3746	26936
Hamedan .....	301	3208	2864	48389
Yazd .....	372	3339	2071	56088

1. Including in operation, under establishment and non-operational cooperatives

Source: Ministry of Cooperatives, Labour and Social Welfare.

**5.29. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED  
BY CENTRAL ORGANIZATION OF RURAL COOPERATIVES, BY THE TYPE OF  
ACTIVITY AT THE END OF THE YEAR**

Year and type of activity	Number	Members	Capital (mln rials)
1375.....	1507	869405	85350
1380.....	1827	970609	221822
1385.....	2008	1010551	404366
1389.....	2106	1076760	727858
1390.....	1997	1068541	836954
1391.....	2051	1134128	1249694
1392.....	1952	1071956	1588498
<b>1393.....</b>	<b>2040</b>	<b>1092032</b>	<b>1632125</b>
Poultry farming .....	297	22250	647174
Livestock farming .....	463	478344	454164
Wheat farming.....	97	38816	17236
Permanent crops farming .....	99	147917	75475
Apiculture.....	184	57893	42954
Combine harvester management .....	15	2507	1629
Range Manegement .....	28	13837	8029
Mechanization.....	60	4833	27592
Others.....	797	325635	357872

Source: Central Organization of Rural Cooperatives

**5.30. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY CENTRAL ORGANIZATION OF RURAL COOPERATIVES BY OSTAN AT THE END OF THE YEAR 1393**

Ostan	Number	Members
<b>Total country</b> .....	<b>2040</b>	<b>1092032</b>
East Azarbayjan .....	148	100641
West Azarbayjan .....	89	56934
Ardebil .....	30	15386
Esfahan .....	165	109902
Alborz .....	23	8888
Ilam .....	21	755
Bushehr .....	16	3471
Tehran .....	51	11594
Chaharmahal & Bakhtiari .....	47	5010
South Khorasan .....	66	30134
Khorasan-e-Razavi .....	160	122565
North Khorasan .....	34	11045
Khuzestan.....	54	23765
Zanjan .....	13	2264
Semnan .....	27	13481
Sistan & Baluchestan .....	20	5426
Fars .....	112	62422
Qazvin .....	63	19578
Qom .....	16	19592
Kordestan . .....	31	12941
Kerman .....	297	38340
Kermanshah .....	97	20616
Kohgiluyeh & Boyerahmad .....	31	5905
Golestan .....	58	16724
Gilan .....	89	123005
Lorestan .....	26	18342
Mazandaran .....	84	98721
Markazi .....	53	31356
Hormozgan .....	39	4721
Hamedan .....	42	77936
Yazd .....	38	20572

Source: Central Organization of Rural Cooperatives.

**5.31. AREA OF AFFORESTATION AND SAPLING PRODUCTION<sup>(1)</sup>**

Year and Ostan	Afforestation(ha)			Sapling production <sup>(2)</sup> (1000 sapling)
	Total	State-owned	Private	
1375.....	39522	16090	23432	73766
1380.....	110692	53912	56780	141317
1385.....	51167	39871	11296	46876
1389.....	29507	18378	11129	40443
1390.....	25254	8370	16885	33386
1391.....	18011	4247	13764	25323
1392.....	26157	19444	6714	18331
<b>1393.....</b>	<b>53034</b>	<b>44882</b>	<b>8152</b>	<b>38575</b>
East Azarbayjan.....	279	279	0	303
West Azarbayjan.....	337	337	0	40
Ardebil.....	294	291	3	88
Esfahan.....	2015	1464	551	92
Alborz.....	667	667	0	1835
Ilam.....	8373	8373	0	370
Bushehr.....	1525	1525	0	255
Tehran.....	1528	853	675	0
Chaharmahal & Bakhtiyari.....	1115	1052	63	16350
South Khorasan.....	241	241	0	503
Khorasan-e-Razavi.....	182	182	0	965
North Khorasan.....	354	354	0	127
Khuzestan.....	1140	1140	0	375
Zanjan.....	457	457	0	173
Semnan.....	527	527	0	630
Sistan & Baluchestan.....	1675	1675	0	793
Fars.....	2475	1463	1012	745
Qazvin.....	236	180	56	91
Qom.....	260	260	0	34
Kordestan.....	1270	1270	0	600
Kerman.....	4591	4591	0	163
Kermanshah.....	5944	5944	0	2020
Kohgiluyeh & Boyerahmad.....	656	656	0	106
Golestan.....	2816	2166	650	1360
Gilan.....	1991	314	1677	3100
Lorestan.....	1761	1461	300	580
Mazandaran.....	5734	2675	3059	4990
Markazi.....	318	245	73	1310
Hormozgan.....	1897	1884	13	95
Hamedan.....	612	592	20	250
Yazd.....	1764	1764	0	232

1. In the Fourth Plan of Economic, Social and Cultural Development, this project which is called "Afforestation and Development of Green Areas of the country" includes national and provincial afforestation (north and out of north) and recultivation and enrichment of Iran-Turani area and preservation of the North, Arasbaran, Zagros and South areas.

2. Including forest, range, desert, public and private sapling

Source: Forests, Range and Watershed Management Organization.

**5.32. WATERSHED MANAGEMENT ACTIVITIES<sup>(1)</sup>****(ha)**

Title	The year 1375	The year 1380	The year 1385	The year 1389	The year 1390	The year 1391	The year 1392	The year 1393
National .....	82298	410422	3152126	1477910	1299966	179430	487329	578953
Watershed management in existing dams catchments.....	51762	54156	179329	128837	106686	7333	44889	31479
Project development <sup>(3)</sup> .....	0	131819	2337885	373267	184542	21053	85644	70235
Watershed management in catchments of dams under construction .....	23036	66071	56829	93758	55770	11521	63623	30736
Project development <sup>(3)</sup> .....	0	74360	93262	211977	116268	27814	3929	116403
Watershed management in Karkheh dam catchments .....	7500	<sup>(2)</sup> 8229	34918	23200	18279	3186	24413	2730
Project development <sup>(3)</sup> .....	0	11022	87472	59610	45189	10752	6425	16879
Watershed management in the Grate Karun catchments .....	0	0	0	18829	18074	1158	7733	5200
Project development <sup>(3)</sup> .....	0	0	0	102888	37885	16700	9443	4895
Watershed management in Sefidrud dam catchments .....	0	24085	134399	19868	19741	1645	38278	3881
Project development <sup>(3)</sup> .....	0	40680	78369	47826	36893	9159	2361	23528
Watershed management in Atrak catchments .....	0	0	0	16356	15555	855	0	1141
Project development <sup>(3)</sup> .....	0	0	0	19562	17662	6411	9789	18088
Watershed management in Golestan flood control catchments (watershed management share) ....	0	0	47463	26702	36189	1907	0	4464
Project development <sup>(3)</sup> .....	0	0	55950	32500	101450	13679	41132	8638
Study and operation of watershed management in catchments lacking dams .....	0	0	35000	80121	28549	4006	15942	42180
Project development <sup>(3)</sup> .....	0	0	11250	129236	411802	33206	3883	105760
Study and operation of watershed management in Orumie Lake catchments .....	0	0	0	24257	16609	377	0	3390
Project development <sup>(3)</sup> .....	0	0	0	0	9490	7702	86299	18153
Study and operation of watershed management in central desert margin catchments.....	0	0	0	11011	5223	966	34324	4233
Project development <sup>(3)</sup> .....	0	0	0	58105	18110	0	9222	65825
Study and operation of watershed management in South Khorason Siah Kouh catchments .....	0	0	0	0	0	0	0	1115
Project development <sup>(3)</sup> .....	0	0	0	0	0	0	0	0
Ostani(provincial).....	44903	350958	1318824	1177522	946697	263252	181463	461936
Land use improvements plan.....	0	50449	104004	88225	168462	5417	3801	28029
Project development <sup>(3)</sup> .....	0	57710	32940	81801	13678	0	67	0
Flood control prevention plan.....	27073	58454	155952	72518	36909	21705	25527	86968
Project development <sup>(3)</sup> .....	0	63758	156883	83928	102394	21655	48544	0
Watershed management in municipal areas catchments .....	17830	32774	10363	25320	33829	6736	2756	5606
Project development <sup>(3)</sup> .....	0	25200	12478	106137	52006	4000	0	0
Watershed management in border line catchments .....	0	4966	25465	2623	35015	8727	426	11550
Project development <sup>(3)</sup> .....	0	7526	16765	24969	5320	13500	0	0
Watershed management in other provincial catchments.....	0	20951	2259	0	0	0	55812	482
Project development <sup>(3)</sup> .....	0	29170	7400	0	0	0	38580	0
Ostani (provincial) (Soil conservation , watershed management and flood prevention and control project) .....	0	0	496297	203354	182619	84054	5950	73513
Project development <sup>(3)</sup> .....	0	0	298018	488647	316465	97458	0	255788

1. Zero means lack of any activity or non-existence of the project in that year  
 2. The activity of watershed management in Karun dam catchments in the year 1380 was included in Karkheh watershed management dam.  
 3. Project development means justifying, detailed and feasibility study of the region's considered project execution  
 Source: Forests, Range and Watershed Management Organization

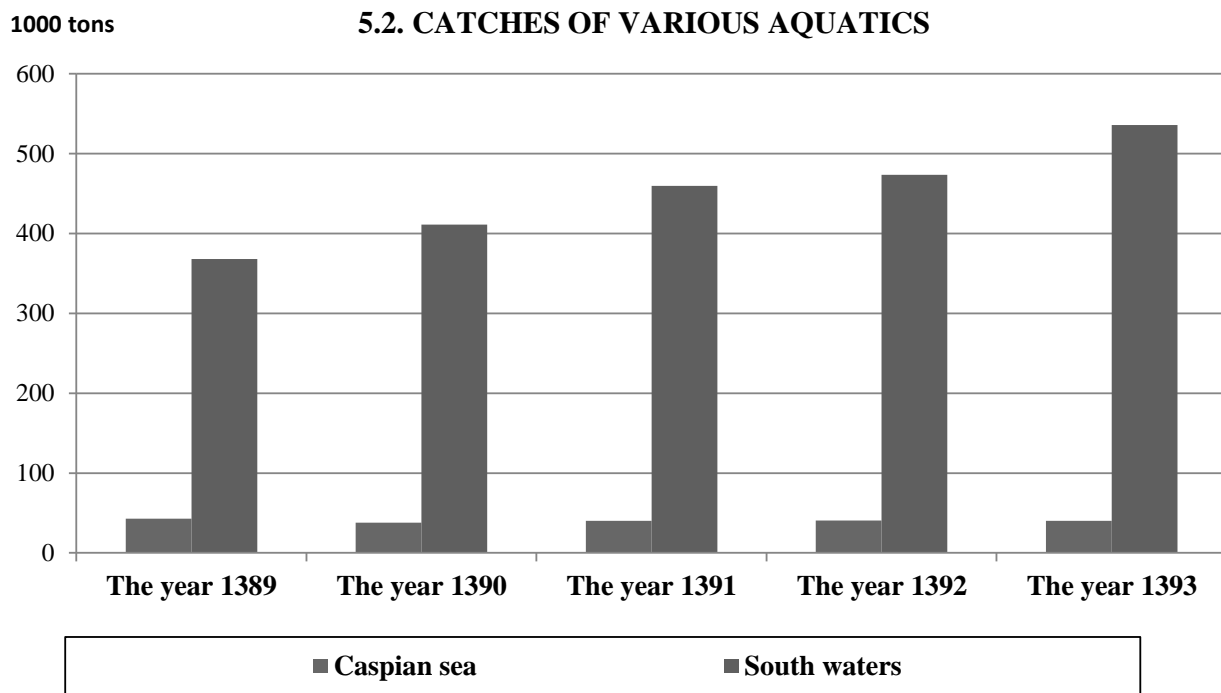
**5.33. CATCHES OF VARIOUS AQUATICS BY OSTAN (ton)**

Year	Grand total	Catches in the Caspian Sea			
		Total	Kilka	Bony fish	Sturgeon
1375.....	335020	74100	57000	15500	1600
1380.....	325355	62550	45180	16500	870
1385.....	420882	46435	22303	23802	330
1389.....	412310	43805	27110	16601	94
1390.....	449729	37831	20717	17034	80
1391.....	500015	40314	24086	16160	68
1392.....	514081	40423	23221	17146	56
<b>1393.....</b>	<b>575512</b>	<b>39647</b>	<b>22873</b>	<b>16733</b>	<b>41</b>
Bushehr .....	57734	0	0	0	0
Khuzestan.....	47379	0	0	0	0
Sistan & Baluchestan .....	213695	0	0	0	0
Golestan .....	1013	1013	0	995	18
Gilan.....	15252	15252	6828	8418	6
Mazandaran.....	23382	23382	16045	7320	17
Hormozgan.....	217057	0	0	0	0

Year	Catches in south waters				
	Total	Small pelagics	Large pelagics	Demersals	Sea shrimps
1375 .....	260920	10000	82320	163600	5000
1380 .....	262805	30805	115000	110060	6940
1385 .....	374447	26311	225374	116811	5951
1389 .....	368505	33637	187610	139655	7603
1390 .....	411897	50161	207438	147437	6861
1391 .....	459701	44916	235830	170007	8948
1392 .....	473658	54391	239593	170885	8789
<b>1393 .....</b>	<b>535865</b>	<b>71210</b>	<b>279301</b>	<b>176787</b>	<b>8567</b>
Bushehr .....	57734	1420	25299	29347	1668
Khuzestan.....	47379	3985	10338	29049	4007
Sistan & Baluchestan .....	213695	822	151659	60696	518
Golestan .....	0	0	0	0	0
Gilan.....	0	0	0	0	0
Mazandaran.....	0	0	0	0	0
Hormozgan.....	217057	64983	92005	57695	2374

Source: Fisheries of Iran.





For data see Table 5.33

## 5.34. AQUACULTURE PRODUCTION BY OSTAN

(ton)

Year	Total	Aquaculture						Catching from natural and semi-natural resources
		Fish farms			Shrimps farms			
		Warm water fish farms	Cold water fish farms	Sturgeon farms	Shrimp farms (salt water)	Shrimp farms (fresh water)	Shrimp farms (lobster)	
1375 .....	65000	27916	1900	0	163	0	0	35021
1380 .....	73645	28060	12170	0	7630	6	270	25785
1385 .....	154678	77463	46275	0	5700	20	250	24970
1389 .....	251374	121608	91519	251	6359	48	250	31339
1390 .....	285351	132177	106409	312	8026	68	270	38089
1391 .....	338877	154565	131000	456	10152	61	280	42363
1392 .....	370876	167883	143917	564	12698	263	200	45551
<b>1393</b> .....	<b>371717</b>	<b>170341</b>	<b>126515</b>	<b>650</b>	<b>22475</b>	<b>5</b>	<b>65</b>	<b>51666</b>
East Azarbayjan.....	4329	160	3008	0	0	0	0	1161
West Azarbayjan .....	16527	1900	8930	0	0	0	52	5645
Ardebil .....	7004	545	2559	0	0	0	0	3900
Esfahan .....	5011	1091	3089	0	0	0	0	831
Alborz.....	2035	78	1827	0	0	0	0	130
Ilam .....	6564	525	1676	0	0	0	0	4363
Bushehr .....	14500	0	0	0	14500	0	0	0
Tehran .....	4998	258	4335	0	0	0	0	405
Chaharmahal& Bakhtiyari.....	10857	0	10743	0	0	0	0	114
South Khorasan .....	963	522	341	0	0	0	0	100
Khorasan-e-Razavi .....	5870	851	4606	0	0	0	0	413
North Khorasan .....	1353	250	1103	0	0	0	0	0
Khuzestan .....	60172	47650	620	90	1362	0	0	10450
Zanjan .....	10231	56	8065	0	0	0	12	2098
Semnan .....	830	281	549	0	0	0	0	0
Sistan & Baluchestan	9872	681	11	0	210	0	0	8970
Fars .....	9242	650	8238	50	0	0	0	304
Qazvin .....	3238	185	2660	22	0	0	0	371
Qom .....	1444	709	720	14	0	0	1	0
Kordestan .....	6741	21	1620	0	0	0	0	5100
Kerman <sup>(1)</sup> .....	2995	1550	770	0	0	0	0	675
Kermanshah .....	11794	2513	8075	5	0	5	0	1196
Kohgiluyeh & Boyerahmad .....	11130	0	11045	0	0	0	0	85
Golestan .....	14767	13208	635	8	481	0	0	435
Gilan .....	46799	42685	3236	163	0	0	0	715
Lorestan .....	16435	1186	12456	0	0	0	0	2793
Mazandaran .....	71664	51431	19737	250	0	0	0	246
Markazi .....	2496	225	2022	47	0	0	0	202
Hormozgan .....	6252	0	0	0	5922	0	0	330
Hamedan .....	4758	709	3414	1	0	0	0	634
Yazd .....	846	421	425	0	0	0	0	0

1. Out of this amount, there were 1130 tons of warm water fishes and 266 tons of cold water fishes and 430 tons of production in Jieroft and Kahnouj water resources included in the total of Kerman Ostan.

Source: Fisheries of Iran.

**5.35. PRODUCTION OF CAVIAR AND MEAT FROM STURGEON FISHES (ton)**

Year	Caviar				Meat			
	Total	Beluga	Asetra	Sevruga	Total	Beluga	Asetra	Sevruga
1375.....	195	7	96	92	1295	165	669	461
1380 <sup>(1)</sup> .....	88	3	64	21	870	95	620	155
1385.....	31	5	24	3	330	74	223	33
1389.....	7	2	5	//	93	32	57	4
1390.....	6	2	3	1	80	25	47	8
1391.....	4	1	3	//	68	19	43	6
1392.....	4	2	2	//	56	20	32	4
<b>1393.....</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>//</b>	<b>41</b>	<b>15</b>	<b>23</b>	<b>3</b>

1. Since the year 1380, weight of produced caviar has been also included with meat.

Source: Fisheries of Iran.

**5.36. PRODUCTION OF VARIOUS FISH FRIES BY SPECIES (1000)**

Year	Total	Kutum	Sturgeon	Carps	Salmon	Trout	Bream	Perch	Other
1375 .....	325175	142092	12456	130371	424	28940	8478	2414	0
1380 .....	481271	232018	19970	90478	363	94333	15538	7412	21159
1385 .....	687881	174300	13800	144650	611	315500	19300	12890	6830
1389.....	817094	297204	3934	146257	353	262630	19731	14225	72760
1390.....	911101	272681	4854	176000	437	350000	18780	15028	73321
1391.....	1177650	249596	4522	278502	850	560177	17702	16134	50167
1392.....	1038525	200957	2313	242013	850	548826	8449	598	34519
<b>1393.....</b>	<b>741502</b>	<b>176315</b>	<b>2870</b>	<b>187670</b>	<b>910</b>	<b>264769</b>	<b>15683</b>	<b>14033</b>	<b>79252</b>

Source: Fisheries of Iran.

**5.37. FISHING VESSELS AT THE END OF THE YEAR BY TYPE (vessel)**

Year and Ostan	Total	Boat	Launch	Ship
1375.....	10158	7265	2807	86
1380.....	11007	7696	3238	73
1385.....	12120	8670	3403	47
1389.....	11893	8682	3160	51
1390.....	11717	8500	3163	54
1391.....	11586	8324	3208	54
1392.....	11568	8288	3229	51
<b>1393.....</b>	<b>11498</b>	<b>8210</b>	<b>3238</b>	<b>50</b>
Bushehr .....	2109	1528	560	21
Khuzestan.....	1708	1106	602	0
Sistan & Baluchestan .....	2368	1430	938	0
Golestan .....	238	238	0	0
Gilan.....	331	302	29	0
Mazandaran.....	329	285	44	0
Hormozgan.....	4415	3321	1065	29

Source: Fisheries of Iran.

**5.38. NUMBER OF EMPLOYED PERSONS WORKING IN FISHERIES (CATCHING) ( person)**

Ostan	1375	1380	1385	1389	1390	1391	1392	1393
<b>Total .....</b>	<b>96768</b>	<b>124248</b>	<b>146724</b>	<b>143436</b>	<b>143629</b>	<b>143773</b>	<b>142943</b>	<b>140185</b>
Bushehr.....	000	000	45287	41019	40860	40409	40402	39299
Khuzestan .....	000	000	40150	37871	37871	37871	37661	36901
Sistan & Baluchestan ..	000	000	21238	24920	24212	24424	24512	24480
Golestan.....	000	000	1694	1732	1685	1685	1591	1528
Gilan.....	000	000	6845	6209	6223	5645	5705	5262
Mazandaran .....	000	000	4691	4553	4554	4529	4492	4494
Hormozgan .....	000	000	26819	27132	28224	29210	28580	28221

Source: Fisheries of Iran

**5.39. NUMBER OF WORKERS IN FISHERIES SECTOR (AQUACULTURE) ( person)**

Ostan	1393
<b>Total.....</b>	<b>68286</b>
East Azarbayjan.....	736
West Azarbayjan.....	1553
Ardebil.....	768
Esfahan.....	3059
Alborz.....	656
Ilam.....	1164
Bushehr.....	7257
Tehran.....	1352
Chaharmahal & Bakhtiari.....	861
South Khorasan.....	287
Khorasan-e-Razavi.....	467
North Khorasan.....	138
Khuzestan.....	15828
Zanjan.....	1283
Semnan.....	158
Sistan & Baluchestan.....	4747
Fars.....	857
Qazvin.....	1171
Qom.....	231
Kordestan.....	895
Kerman.....	579
Kermanshah.....	2412
Kohgiluyeh & Boyerahmad.....	1109
Golestan.....	1607
Gilan.....	5551
Lorestan.....	3015
Mazandaran.....	5723
Markazi.....	790
Hormozgan.....	2981
Hamedan.....	799
Yazd.....	252

Source: Fisheries of Iran

**5.40. OUTPUT, INTERMEDIATE CONSUMPTION AND VALUE ADDED OF AGRICULTURE, HUNTING AND FORESTRY” AND “FISHERIES” ACTIVITIES AT FACTOR COST**

(bln rials)

Description	The year 1375	The year 1380	The year 1385	The year 1388	The year 1389	The year 1390	The year 1391	The year 1392
<i>(At current prices)</i>								
<b>Output .....</b>	<b>59005</b>	<b>134904</b>	<b>342995</b>	<b>591427</b>	<b>698388</b>	<b>867165</b>	1306595	<b>2024451</b>
Temporary crops & permanent crops farming.....	35129	78460	209705	328061	386483	481302	707689	1229964
Livestock farming, poultry farming, sericulture, apiculture and hunting ....	21453	51122	121695	243871	286025	350013	541117	712900
Forestry .....	951	1845	4306	5802	6452	7706	7290	10620
Fishing .....	1472	3478	7289	13694	19428	28145	50499	70967
<b>Intermediate consumption .....</b>	<b>20633</b>	<b>52517</b>	<b>132900</b>	<b>240411</b>	<b>287783</b>	<b>360089</b>	524097	<b>761150</b>
Temporary crops & permanent crops farming.....	9690	21954	60943	98595	117970	139644	181966	313976
Livestock farming, poultry farming, sericulture, apiculture and hunting ....	10265	28757	67989	135004	159931	206443	320232	415695
Forestry .....	198	409	1271	1685	1976	2574	1368	2658
Fishing .....	480	1397	2697	5127	7906	11428	20531	28821
<b>Value added.....</b>	<b>38373</b>	<b>82388</b>	<b>210095</b>	<b>351016</b>	<b>410603</b>	<b>507076</b>	782498	<b>1263300</b>
Temporary crops & permanent crops farming.....	25440	56505	148763	229466	268512	341658	525723	915988
Livestock farming, poultry farming, sericulture, apiculture and hunting.....	11188	22365	53706	108866	126093	143570	220885	297205
Forestry .....	753	1436	3034	4117	4476	5131	5922	7962
Fishing .....	992	2081	4592	8567	11522	16717	29968	42145
<i>(At 1376 constant prices)</i>								
<b>Value added .....</b>	<b>43208</b>	<b>45705</b>	<b>59197</b>	<b>61394</b>	<b>65848</b>	<b>67871</b>	<b>70153</b>	<b>72792</b>
Temporary crops & permanent crops farming.....	29953	29332	40526	38539	41853	42551	44057	45914
Livestock farming, poultry farming, sericulture, apiculture and hunting ....	11126	14053	15587	20218	21249	22310	22784	23361
Forestry .....	833	1078	912	620	612	595	527	541
Fishing .....	1297	1242	2172	2017	2135	2415	2785	2976

Source: Statistical Centre of Iran.