Agriculture, Forestry and Fisheries 4

Introduction

The first National Survey of Agriculture was conducted in 1339 by the Department of General Statistics of the time as sampling. After the implementation of several sample surveys, the results of which were released for the years 1350 and 1351, the SCI took the first census of agriculture in rural areas in 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 1360, by carrying out the project of preparing a rural gazetteer, Jahad-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 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 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 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 1367.

In 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 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”.

It should be mentioned that due to the recent changes in administrative divisions, the data appeared in the tables related to the 1382 National Census of Agriculture were adjusted according to the latest boundaries of Ostans and the detailed results of the Census , and necessary calculations were calculated by the Statistical Center of Iran.

In 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.

In 1369, statistics for modern cattle farms were first 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 1373, as a census, and as a sample survey in 1375, 1379 and 1386 by the SCI and in 1383 by Jihad-e- Agriculture, the results of which were disseminated.

Until 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 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 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 1370, statistics for value added included in this chapter are according to the national accounts produced by the SCI as of 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.

Besides information on various fields as farming and horticulture, livestock and poultry, forestry, fisheries and related cooperatives, this chapter includes 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:

Farming: holdings with at least 400 square meters of arable land at the time of enumeration.

Horticulture: 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[(1)] days.

Raising of small livestock: holdings raising small livestock (sheep and goats) which have had at least two small livestock during the last 365[(1)] 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.

Raising of silkworm and honeybees: holdings having activity in this field in every size during the last 365 [(1)] 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 annul 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 8, 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.

Range: a land, be it a mountain, mountainside, or a plain, which is covered with herbaceous forage crops in grazing season and already grazed, is commonly known as range. Fallows, even though covered with herbaceous forage crops, are not included in this category.

Log: a portion of the trunk of a fallen tree, almost cylindrical, used to produce types of wood or veneer.

Sawn wood: articles of wood in specific sizes (length, width and height).

Pole: wood from the trunk of a tree the chest-high diametre of which is between 8 and 30 centimetres.

Pitprop: rounded piece of wood, almost two metres long, with a median diametre of 6 to 20 centimetres and used in mines.

Timber: round wood 1.5 to 2.0 metres in length and 20-40 centimetres in diametre that cannot be turned into sawn wood.

Pulpwood: wastes of articles of wood in different sizes and lengths.

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.

Mulching: to blanket (mulching) vegetation over the soil to prevent it from erosion, keep its temperature and retain its moisture.

Living windbreak: a line of trees, shrubs or other vegetation planted across the usual wind direction to break the force of the wind and lower its speed, causing the sand and other materials carried by the wind to be deposited behind, in an order of size.

Artificial windbreak: rows of artificial obstacles (like fence, wall, dead branches, etc.) constructed across the usual wind direction to break the force of the wind and lower its speed, causing the sand and other materials carried by the wind to be deposited behind, in an order of size.

Preservation: selection and declaration of the areas of regions with high erosion or sensitive to erosion.

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 21, Definitions and concepts.

Intermediate consumption: see Chapter 21, Definitions and concepts.

Value added: see Chapter 21, Definitions and concepts.

Selected information

According to the results of the 1382 General Agricultural Census, a number of 4,332,000 agricultural producing units have been recognized as the agricultural holdings which are operated at least in one of the areas of farming, horticulture, greenhouse production, livestock raising, raising of poultry by the traditional method, raising of honeybee and silkworm. The absolute maximum of the holdings is run by the natural persons or the very farmers and livestock holders, and only 8108 of the agricultural holdings (0.2%) were operated by the legal entities (authorized companies and public institutions). Out of the agricultural holdings, a number of 2,363,000 holdings (55%) were operated by the literate holders and the rest (45%) by the illiterate ones.

According to this census results, in Mehr 1382, the area of the agricultural lands of the country was 17.7 mln hectares including lands under annual crops, fallow, orchard and nursery. The area of the lands under annual crops, fallow and orchard is reported 11.6, 4.6 and 1.5 mln hectares respectively. Moreover, the area of the irrigated agricultural lands was about 8.3 mln hectares. On the basis of the results of the said census, during the crop year 1381-82, area under cultivation and the production of the main agricultural crops was as follows:

Wheat: area under cultivation, 6,900,000 hectares, production 11.7 mln tons, yield for the irrigated wheat per hectare 3.1 mln tons and non-irrigated wheat more than 0.9 ton.

Rice: area under cultivation, 465,000 hectares, production 1.82 mln tons, yield per hectare more than 3.9 tons.

Production of the orchard crops: 1.15 mln tons of apples, 1.3 million tons of citrus fruits, 1.4 mln tons of grapes and more than 0.5 and 0.3 mln tons of dates and pistachios respectively. At the time of census (Mehr and Aban 1382) all livestock of the country consisted of 37 mln sheep, 20 mln goats, 6 mln cows, 159,000 buffalos and 139,000 camels.

Based on the results of the same census, the production of the milk during the 365 days preceding census amounted to 5.98 mln tons out of which 4.77 mln tons were produced by cow.

In 1388, the area of the forests of the country was estimated 14.3 mln hectares. In the mentioned year, out of 85 mln hectares of the ranges of the country, only 8.5 % was among good ranges and the rest was at the medium and poor levels. In 1389, more than 663 thousand tons of various types of aquatics were produced and caught, out of which over 43 thousand tons were from the northern waters; more than 368 thousand tons from the southern waters and more than 251 thousand tons from the domestic waters (aquatics raising farms and natural and semi-natural resources).

In 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.

1. The last 364 days plus the day of enumeration.

4. 1. AGRICULTURAL HOLDERS BY TYPE AND OSTAN,1382

Ostan	Total	Private settled household	Unsettled holder	Private unsettled household	Registered company or public institution
Total country	***4298206***	***3437981***	***816104***	***36013***	***8108***
East Azarbayejan	243634	215755	26526	932	421
West Azarbayejan	204366	172514	31645	0	207
Ardebil	109187	89691	18524	797	175
Esfahan	203515	164829	37951	119	616
Ilam	56169	39379	16264	426	100
Bushehr	47229	38786	7034	1359	50
Tehran	86468	52091	33782	5	590
Chaharmahal & Bakhtiyari ...	65948	60628	5199	16	105
South Khorasan	51626	38743	12636	167	80
Khorasan-e-Razavi	394443	306668	86905	353	517
North Khorasan	82325	68764	13104	352	105
Khuzestan	190355	153260	30631	6213	251
Zanjan	84423	76505	7657	0	261
Semnan	38715	25176	13277	0	262
Sistan & Baluchestan	169675	150426	14743	4400	106
Fars	278397	217417	51577	8835	568
Qazvin	80415	66142	13997	0	276
Qom	16663	12001	4556	6	100
Kordestan	110527	93780	16623	0	124
Kerman	258571	158625	93410	5992	544
Kermanshah	139355	99211	37251	2609	284
Kohgiluyeh & Boyerahmad ..	59415	50731	7928	621	135
Golestan	137147	121099	15772	1	275
Gilan	313135	251825	61016	12	282
Lorestan	129178	100421	26203	2319	235
Mazandaran	332805	268966	63394	1	444
Markazi	91394	77957	13162	6	269
Hormozgan	96053	87129	8588	281	55
Hamedan	142383	124441	17487	191	264
Yazd	84690	55021	29262	0	407

Source: Statistical Centre of Iran.

4. 2. AGRICULTURAL HOLDINGS BY TYPE OF HOLDER AND OSTAN, 1382

Ostan	Grand total		Private settled household		Unsettled holder		Private unsettled household		Registered company or public institution	
	Total	Without land	Total	Without land	Total	Without land	Total	Without land	Total	Without land
Total country	***4332423***	***851693***	***3471972***	***802312***	***816104***	***12382***	***36239***	***36236***	***8108***	***763***
East Azarbayejan.....	244840	26596	216961	25392	26526	245	932	932	421	27
West Azarbayejan	208288	38171	176436	37601	31645	541	0	0	207	29
Ardebil	111599	19744	92100	18771	18524	119	800	800	175	54
Esfahan	202156	28036	163471	27171	37951	705	118	118	616	42
Ilam	58336	10732	41535	10180	16264	80	437	437	100	35
Bushehr	47813	15923	39370	14493	7034	67	1359	1359	50	4
Tehran	85441	12111	51064	10684	33782	1361	5	5	590	61
Chaharmahal & Bakhtiyari	65811	11226	60491	11183	5199	20	16	16	105	7
South Khorasan	51862	14144	38979	13128	12636	848	167	167	80	1
Khorasan-e-Razavi	397047	73748	309272	72008	86905	1352	353	353	517	35
North Khorasan	82988	13352	69432	12877	13104	121	348	347	105	6
Khuzestan	191810	64399	154708	57645	30631	516	6219	6217	251	20
Zanjan	85657	11256	77739	11191	7657	48	0	0	261	17
Semnan	38934	6919	25395	6122	13277	758	0	0	262	39
Sistan & Baluchestan	169757	87374	150508	82543	14743	421	4400	4400	106	10
Fars	277023	71813	215985	62199	51577	687	8894	8894	568	34
Qazvin	80823	7532	66550	7418	13997	88	0	0	276	26
Qom	16685	5396	12023	4759	4556	612	6	6	100	19
Kordestan	112634	15784	95887	15696	16623	73	0	0	124	15
Kerman	258633	48030	158687	41311	93410	715	5992	5992	544	12
Kermanshah	143145	22317	102848	19365	37251	151	2762	2762	284	39
Kohgiluyeh & Boyerahmad	60643	11880	51959	11155	7928	76	621	621	135	28
Golestan	140073	40166	124025	39820	15772	296	1	1	275	49
Gilan	317035	31352	255725	30698	61016	622	12	12	282	20
Lorestan	130888	18829	102131	16353	26203	142	2319	2319	235	15
Mazandaran	336532	49844	272693	49180	63394	621	1	1	444	42
Markazi	91575	12463	78138	12192	13162	252	6	6	269	13
Hormozgan	96427	46666	87503	46223	8588	162	281	281	55	0
Hamedan	142879	21904	124938	21627	17487	58	191	191	264	29
Yazd	85087	13987	55418	13327	29262	625	0	0	407	35

Source: Statistical Centre of Iran.

4. 3. AGRICULTURAL HOLDINGS BY TYPE OF ACTIVITY AND OSTAN, 1382

Ostan	Farming	Horticulture(1)	Greenhouse production	Raising of poultry	Raising of honeybee	Raising of large livestock	Raising of small livestock	Raising of silkworm
Total country	***2821560***	***2276452***	***8511***	***2185600***	***75182***	***1286476***	***1559001***	***46948***
East Azarbayejan.	184989	139145	85	131200	12943	98534	100610	527
West Azarbayejan	152057	91896	33	123108	5506	98669	67111	0
Ardebil	86850	55449	23	71525	2852	48156	38708	0
Esfahan	144732	109991	1423	77674	2606	55670	50107	21
Ilam	46777	11889	45	26902	842	14636	23824	0
Bushehr	22164	30521	11	26569	151	10692	24429	0
Tehran	29974	57654	1001	19071	1135	13040	11828	2
Chaharmahal & Bakhtiyari.....	46961	29729	37	35240	1349	28351	22028	0
South Khorasan	34519	25951	19	25117	70	10990	35930	38
Khorasan-e-Razavi	284319	168553	206	174114	1396	79502	189702	5842
North Khorasan	60859	43086	12	41266	682	22989	40393	1421
Khuzestan	116655	50644	123	109374	778	88637	73567	0
Zanjan	62031	54874	39	50301	3781	32954	40624	5
Semnan.....	21991	21233	109	13193	316	7697	14942	17
Sistan & Baluchestan.....	69627	51407	173	83597	34	33445	134235	0
Fars	163090	130523	105	140887	5082	48586	94997	20
Qazvin.....	46900	60738	53	28436	1257	26523	23946	0
Qom	7125	9028	27	7004	150	4456	6005	0
Kordestan	87527	58967	27	57133	8083	51627	55737	0
Kerman.....	92099	183702	701	88475	1211	53338	95261	5
Kermanshah	110666	40487	48	62710	3165	42023	47240	1
Kohgiluyeh & Boyerahmad.....	45269	22834	15	38219	2346	19508	27652	0
Golestan	96968	70343	64	70504	2943	56370	39540	6646
Gilan.....	256736	234762	284	219196	4056	108765	16673	25667
Lorestan	109590	34120	53	73425	2084	46138	49672	0
Mazandaran	230948	206425	2394	213605	4092	67175	35458	6612
Markazi	60548	65018	597	37855	2064	36271	38823	0
Hormozgan	11984	62845	11	32688	22	26554	66962	0
Hamedan	93953	87616	50	69556	3326	45534	57945	0
Yazd	43654	67022	747	37657	863	9645	35052	125

1. Also includes holdings with no orchard but scattered trees.

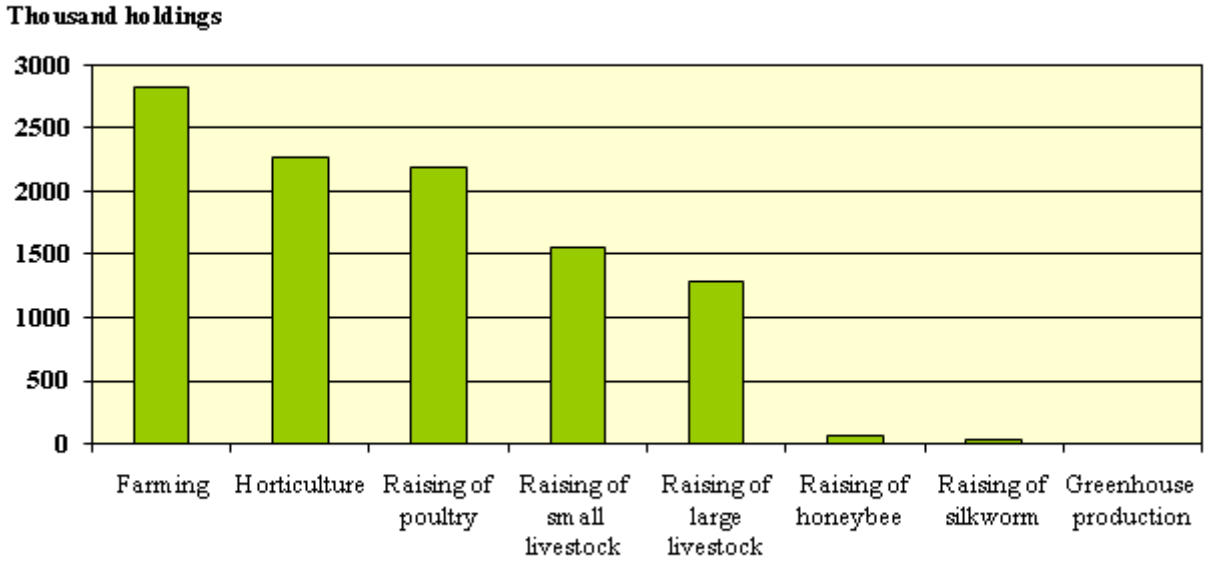
Source: Statistical Centre of Iran.

4. 4. AGRICULTURAL HOLDINGS OWNED BY NATURAL PERSONS BY LITERACY STATUS, EDUCATIONAL DEGREE AND AGE OF HOLDER, 1382

Age group of holder	Illiterate	Literate by educational degree.				
		Total	Primary and non-official	Lower and upper secondary	Agricultural associate degree and higher	Non-agricultural associate degree and higher
Total	***1961220***	***2363094***	***1489621***	***739435***	***34827***	***99212***
Under 15 years	153	1209	538	671	0	0
15-19 years	2003	16203	5468	10501	113	121
20-24 years	12358	90585	36981	49957	1422	2225
25-29 years	35705	234362	107965	113415	3906	9075
30-34 years	70688	330223	177033	131982	5656	15552
35-39 years	97706	338727	191284	126364	5465	15613
40-44 years	174153	378251	227612	126150	6254	18235
45-49 years	189331	308914	208121	80470	5008	15315
50-54 years	243119	236594	176232	46908	3338	10116
55-59 years	176504	127245	100861	20355	1389	4640
60-64 years	314311	127490	105797	16408	1171	4113
65-69 years	210383	71794	61576	7742	533	1943
70-74 years	242790	58573	51761	5080	347	1385
75-79 years	92194	23565	21163	1874	111	416
80 years and over	99823	19360	17229	1556	113	462

Source: Statistical Centre of Iran.

4. 1. AGRICULTURAL HOLDINGS BY TYPE OF ACTIVITY, 1382



For data see Table 4.3.

4.5. AGRICULTURAL HOLDINGS OWNED BY NATURAL PERSONS BY LITERACY STATUS, EDUCATIONAL DEGREE OF HOLDER AND OSTAN 1382

Ostan	Illiterate	Literate by educational degree				
		Total	Primary and non-official	Lower and upper secondary	Agricultural associate degree and higher	Non-agricultural associate degree and higher
Total country	***1961220***	***2363095***	***1489621***	***739435***	***34827***	***99212***
East Azarbayejan.....	121845	122574	89172	28344	1226	3832
West Azarbayejan	110583	97499	64168	29352	1351	2629
Ardebil	57002	54422	38073	14028	735	1585
Esfahan.....	76764	124776	83070	35232	1732	4742
Ilam	29519	28717	17846	8935	578	1358
Bushehr	20425	27338	15986	9566	540	1247
Tehran	21146	63705	31670	23959	1616	6460
Chaharmahal & Bakhtiyari	31707	34000	23369	8864	524	1243
South Khorasan.....	25127	26655	19524	5692	221	1218
Khorasan-e-Razavi.....	162316	234215	173391	51332	2617	6874
North Khorasan.....	39226	43657	32336	9948	471	901
Khuzestan.....	106571	84984	53393	28292	1250	2050
Zanjan	39617	45780	35572	8781	346	1081
Semnan.....	14487	24185	15049	7774	361	1001
Sistan & Baluchestan	111851	57800	34216	21297	939	1348
Fars.....	108087	168368	102233	56395	2536	7204
Qazvin	31332	49215	33494	13401	517	1803
Qom.....	6707	9878	6670	2640	145	422
Kordestan	65186	47324	35527	10640	454	703
Kerman	124781	133308	76816	46862	2960	6671
Kermanshah	72788	70073	44658	22298	1010	2107
Kohgiluyeh & Boyerahmad	30166	30343	14677	12143	640	2883
Golestan	55671	84127	46544	32032	1331	4221
Gilan.....	124592	192161	97611	83402	2816	8332
Lorestan	68857	61795	39421	19305	803	2266
Mazandaran.....	119180	216908	102557	92145	4559	17647
Markazi	39876	51430	37532	12125	518	1256
Hormozgan.....	51246	45126	31863	11889	539	835
Hamedan	63798	78818	58338	18333	714	1433
Yazd	30764	53915	34847	14431	776	3861

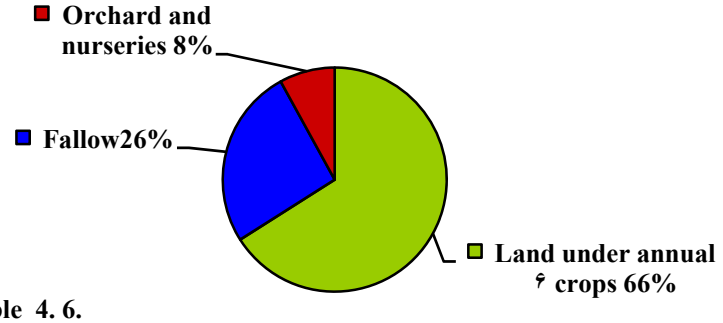
Source: Statistical Centre of Iran.

4. 6. AGRICULTURAL LANDS AREA ON HOLDINGS WITH CROPLAND BY SIZE: 1382 (ha)

Size of agricultural lands	Total		Land under annual crops		Fallow		Orchards and nurseries	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
Total	***3480729***	***17665198***	***2639486***	***11647027***	***998312***	***4550142***	***1651046***	***1468034***
Total< 1 ha	1205032	407070	640707	215127	126663	28425	729242	163519
< 1.oha	226385	9889	65073	2145	15621	665	163492	7079
0.1 - < 0.2 ha	183226	23398	71903	7755	15907	1378	124046	14266
0.2 - < 0.5 ha	402383	121845	232139	60170	41968	7578	230419	54097
0.5 - < 1 ha	393039	251938	271592	145057	53167	18804	211285	88077
Total of 1- < 5 ha	1319962	3032220	1094825	2077276	353153	458891	559388	496052
1 - < 2 ha	522956	655129	401264	418448	96816	67057	247720	169623
2 - < 3 ha	355372	781006	298617	535538	95209	109863	143436	135606
3 - < 4 ha	247480	787403	218447	552111	83916	129313	97051	105979
4 - < 5 ha	194153	808682	176497	571179	77212	152659	71182	84844
Total of 5 - < 20 ha	786336	7019167	741240	4847848	406597	1706752	297119	464570
5 - < 7.5 ha	349641	2044905	324815	1448295	158624	426577	127178	170033
7.5 - < 10 ha	141515	1185987	134524	823396	75658	275646	58335	86948
10 - < 15 ha	208602	2373210	198636	1625566	118493	610697	77216	136947
15 - < 20 ha	86577	1415065	83264	950591	53822	393832	34390	70642
Total of 20 - < 50 ha	135649	3736337	130479	2437965	88355	1139218	51958	159157
20 - < 25 ha	61112	1293279	58649	860538	38323	376598	22271	56146
25 - < 35 ha	48499	1395512	46749	907338	32122	428943	19210	59231
35 - < 50 ha	26038	1047547	25081	670089	17910	333677	10476	43780
Total of 50 ha and over	33750	3470405	32235	2068811	23543	1216857	13339	184737
50 - < 100 ha	24576	1547657	23541	966611	16884	514306	9513	66740
100 - < 200 ha	6723	836590	6390	501513	4792	291370	2723	43707
200 - < 500 ha	2021	544556	1906	301703	1531	213667	861	29186
500 - < 1000 ha	312	196293	289	97152	247	82119	173	17022
1000 - < 2000 ha	73	91779	69	39150	60	41794	41	10836
2000 ha and over	45	253529	39	162683	29	73601	27	17246

Source: Statistical Centre of Iran.

4. 2. LAND USE ON AGRICULTURAL HOLDING WITH CROPLAND, 1382



For data see Table 4. 6.

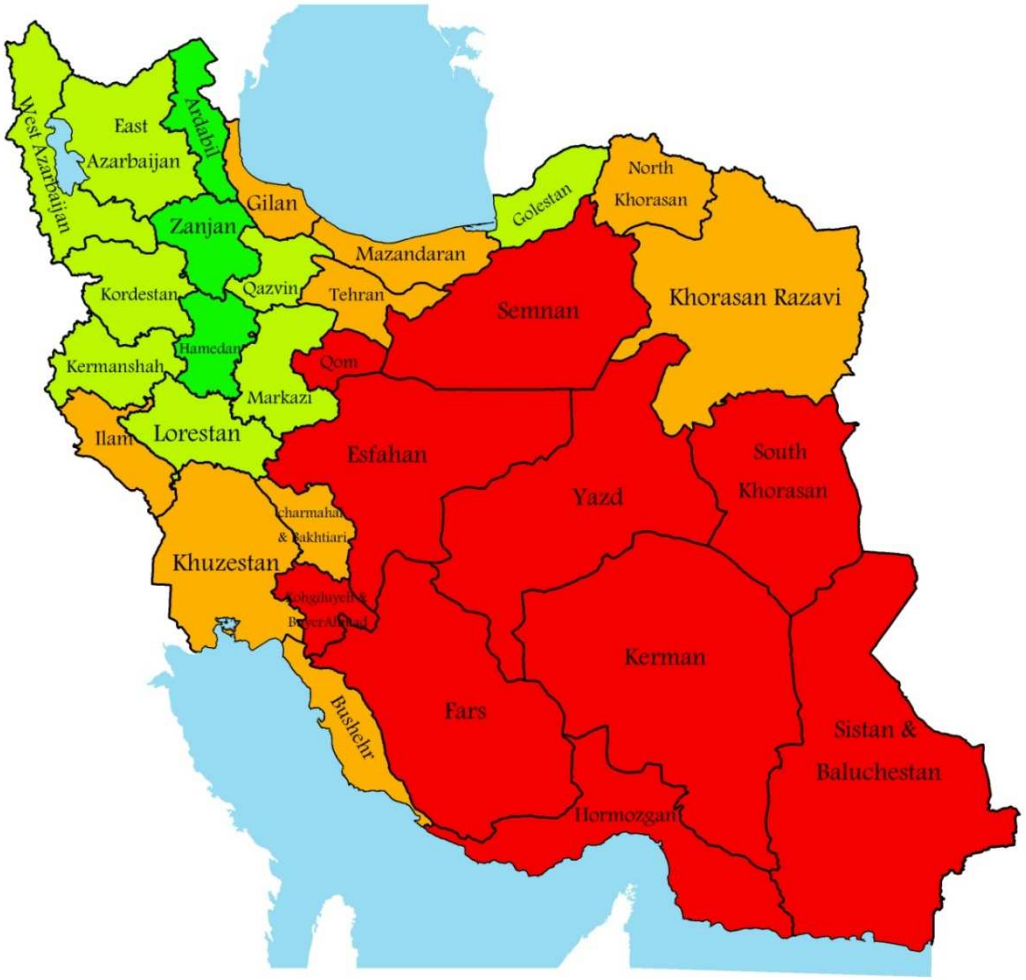
4. 7. AGRICULTURAL LANDS AREA ON HOLDINGS WITH CROPLAND BY OSTAN, 1382

(ha)

Ostan	Total		Land under annual crops		Fallow		Orchards and nurseries	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
Total country	***3480729***	***17665198***	***2639486***	***11647027***	***998312***	***4550142***	***1651046***	***1468034***
East Azarbayejan.....	218244	1319713	168581	797932	99600	445654	105563	76127
West Azarbayejan	170117	887187	143151	687437	33786	123645	71440	76106
Ardebil	91855	731167	82456	515619	37682	190663	23429	24888
Esfahan.....	174120	423858	132261	226336	69158	154651	82976	42871
Ilam	47604	322655	44921	248648	11993	69409	4861	4598
Bushehr	31890	348641	20199	261217	7063	61720	18310	25704
Tehran	73330	221256	27496	128602	8586	50675	53797	41979
Chaharmahal & Bakhtiyari	54586	194813	46337	134016	13583	44679	24277	16118
South Khorasan	37719	149653	29301	57425	25930	80451	19603	11777
Khorasan-e-Razavi	323300	2225941	269412	1380924	143059	726027	139199	118993
North Khorasan	69637	473669	57914	295484	27942	150908	35247	27277
Khuzestan	127411	1266123	112845	1135526	11829	103098	23670	27499
Zanjan	74402	737997	59140	424751	38127	280535	49133	32712
Semnan	32015	153826	20183	83219	11289	50380	18996	20228
Sistan & Baluchestan	82383	245328	45286	102738	47402	113841	24688	28749
Fars	205210	1254511	150890	781260	67230	329640	90604	143611
Qazvin	73290	413895	42231	211345	28119	155386	58023	47165
Qom	11289	80662	6007	42817	4838	29271	8130	8575
Kordestan	96850	940609	83826	621936	42916	297426	44127	21247
Kerman	210603	667633	72813	197369	53173	157609	178044	312655
Kermanshah	120827	751012	108474	661456	18664	68321	31393	21235
Kohgiluyeh & Boyerahmad	48764	157251	42833	115541	12735	30166	13029	11545
Golestan	99907	538967	96080	513314	2792	13382	10510	12271
Gilan	285683	253403	253743	188269	8301	10187	112819	54946
Lorestan	112059	768924	107756	649649	24827	99846	24032	19429
Mazandaran.....	286688	360657	224313	273471	14166	22337	137310	64849
Markazi	79112	670852	56811	327394	44290	308096	60853	35362
Hormozgan.....	49761	129147	9636	46427	5505	26948	45609	55772
Hamedan	120975	844580	89359	500169	57244	313981	81005	30430
Yazd.....	71099	131265	35230	36736	26483	41211	60367	53318

Source: Statistical Centre of Iran.

4.3. RATIO OF AGRICULTURAL LANDS AREA TO THE AREA OF OSTANS.1382



For Data See Tabel 4.1. & 4.7

4. 8. AGRICULTURAL LANDS AREA ON HOLDINGS WITH IRRIGATED CROPLAND BY OSTAN, 1382

(ha)

Ostan	Total		Land under annual crops		Fallow		Orchards and nurseries	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
Total country	***2828646***	***8297031***	***1961023***	***5141157***	***619151***	***1873689***	***1450767***	***1282188***
East Azarbayejan.....	179631	378825	115006	240287	33047	62925	105281	75613
West Azarbayejan	141322	379541	109009	278774	13705	31473	66588	69294
Ardebil	60784	221725	47472	174331	8287	22585	23267	24812
Esfahan	173101	372699	130240	200297	66562	130013	82878	42389
Ilam	18333	76188	14745	64561	1659	7055	4845	4572
Bushehr	16668	70151	5696	35683	2382	11236	13385	23233
Tehran	73140	211912	27202	124037	8093	45910	53744	41964
Chaharmahal & Bakhtiyari	46076	107202	36259	67969	8920	23211	24227	16022
South Khorasan	35899	78756	26257	33772	20919	37555	19093	7428
Khorasan-e-Razavi	276689	1138514	218750	670876	109841	381920	127850	85718
North Khorasan	54374	197095	38214	118112	12274	59497	31686	19486
Khuzestan	77920	690764	61675	602858	6392	61387	23602	26519
Zanjan	64703	155194	43368	95456	11859	27509	47857	32229
Semnan	30074	131298	18199	65011	10644	46070	18989	20218
Sistan & Baluchestan .	77012	225104	43714	99283	42945	101689	23974	24131
Fars	169408	890838	123156	552577	50844	228735	76170	109526
Qazvin	69486	249657	33389	130498	17792	72325	57604	46833
Qom	11252	78520	5937	41677	4769	28278	8127	8565
Kordestan	70660	127852	53455	97653	11275	15680	33496	14519
Kerman	210449	662305	72580	195794	52853	155421	177861	311091
Kermanshah	62727	161132	43168	121309	8550	20236	30421	19587
Kohgiluyeh & Boyerahmad	27155	37988	19584	23609	3423	4537	12734	9842
Golestan	52989	188484	49289	177641	987	2195	6489	8648
Gilan	223364	172851	211459	162582	695	595	18447	9674
Lorestan	68282	199113	59814	159470	10463	20478	23952	19165
Mazandaran	238372	231175	192511	185292	3471	3174	99865	42709
Markazi	75186	317791	49549	151180	33721	131883	59760	34728
Hormozgan	42655	118028	8646	44074	4511	23069	38875	50884
Hamedan	109856	296090	67665	190222	31902	76281	79339	29587
Yazd	71080	130238	35017	36271	26368	40764	60362	53203

Source: Statistical Centre of Iran.

4. 9. AGRICULTURAL LANDS AREA ON HOLDINGS WITH RAINFED CROPLAND BY OSTAN, 1382

Ostan	Total		Land under annual crops		Fallow		Orchards and nurseries	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
Total country	***1515685***	***9368167***	***1266026***	***6505870***	***502908***	***2676453***	***232938***	***185846***
East Azarbayejan	115532	940888	100095	557645	80993	382728	699	514
West Azarbayejan	81704	507647	71647	408663	24309	92172	6174	6812
Ardebil	61617	509442	56223	341288	33119	168078	176	76
Esfahan	10734	51159	8304	26039	5880	24638	271	482
Ilam	41124	246467	38745	184087	10864	62354	20	25
Bushehr	19633	278489	16089	225534	5058	50484	4985	2471
Tehran	1493	9345	804	4568	830	4765	61	15
Chaharmahal & Bakhtiyari	28268	87611	26526	66047	7118	21468	111	96
South Khorasan	15203	70898	8253	23654	11367	42896	3950	4349
Khorasan-e-Razavi	132012	1087427	106251	710048	57600	344107	17945	33275
North Khorasan	42451	276573	36866	177372	19320	91411	5209	7791
Khuzestan	63686	575359	61498	532668	5804	41711	72	980
Zanjan	45174	582803	40154	329295	33961	253025	1825	483
Semnan	3055	22528	2833	18208	828	4310	10	10
Sistan & Baluchestan	6420	20225	1681	3455	4874	12152	765	4618
Fars	66842	363672	45589	228682	20229	100905	16790	34085
Qazvin	21677	164239	15392	80847	15296	83060	1192	331
Qom	345	2143	230	1140	248	993	11	10
Kordestan	79273	812758	68879	524283	37375	281747	15301	6728
Kerman	2053	5327	966	1575	1113	2188	519	1564
Kermanshah	98806	589879	95400	540147	11579	48085	2493	1648
Kohgiluyeh & Boyerahmad	35707	119263	32621	91932	10296	25628	442	1703
Golestan	62640	350483	60632	335673	1875	11187	4110	3623
Gilan	192059	80551	143843	25687	7726	9592	96119	45272
Lorestan	91723	569811	88325	490179	19573	79368	173	265
Mazandaran	100554	129483	61121	88178	11136	19163	42032	22141
Markazi	29036	353061	24211	176214	22248	176213	1862	634
Hormozgan	8166	11120	1133	2353	1154	3879	6927	4888
Hamedan	58188	548490	51381	309947	40900	237700	2579	843
Yazd	509	1027	332	465	237	447	117	115

Source: Statistical Centre of Iran.

4. 10. NUMBER, AREA UNDER CULTIVATION AND PRODUCTION OF ANNUAL CROPS OF AGRICULTURAL HOLDINGS IN OPEN AIR BY CROP, 1382 (ha; ton)

Crop	Total			Irrigated			Rainfed		
	Number of holdings	Area	Production	Number of holdings	Area	Production	Number of holdings	Area	Production
Wheat	1660970	6941286	11676252	957585	2427916	7511968	915574	4513370	4164284
Barley	860964	1817572	2631691	447891	606165	1624515	453163	1211407	1007176
Rice (paddy)	517272	465453	1819990	517272	465453	1819990	0	0	0
Grain corn	66280	178606	1232993	57240	177918	1231665	9061	688	1327
Sugar beets	107440	199298	5729105	107440	199298	5729105	0	0	0
Cotton	76903	118853	264465	67901	109575	253453	9244	9278	11012
Saffron[1]	105743	42452	157829	105705	42431	157793	41	21	35
Beans, dry	181114	88155	154791	116128	84296	150794	65041	3859	3997
Peas, dry	217007	458861	196675	24317	14407	12869	194582	444454	183806
Lentils	125021	154494	75210	21079	9080	7813	104719	145414	67397
Broad beans, dry	70345	9573	19759	17293	7398	15159	53058	2176	4600
Vetch	14831	16167	11661	12587	12514	10201	2275	3652	1460
Rapeseed	22336	48000	76430	7294	17557	31205	15184	30442	45225
Sunflower oil seed	15477	33103	37448	10371	17239	25777	5266	15863	11671
Watermelons	75601	98529	1210630	52075	73585	1127617	23779	24944	83013
Cucumber	167185	46555	677442	95593	45825	672313	71602	730	5129
Cantaloupes and other melons	55112	76102	819175	47586	71804	810074	7610	4297	9101
Alfalfa and sainfoin, dry	544339	550119	2933710	529564	498978	2845170	25442	51142	88540
Clover, dry	67768	31410	137775	59220	25811	115475	8595	5599	22299
Forage corn	32567	65444	2422988	29441	62408	2392456	3131	3035	30532
Potatoes	162560	116694	2392264	138619	114248	2378418	23984	2445	13845
Onions	108816	34161	799461	90538	33228	793428	18286	933	6033
Tomatoes	240608	101654	2487537	181398	100249	2473946	59229	1406	13590
Garlic, dry	74541	4136	29625	15408	3147	28070	59134	990	1556
Carrots, radishes, turnips and sweet beets	100403	9697	250430	43032	9259	245953	57374	438	4477

4. 10. NUMBER, AREA UNDER CULTIVATION AND PRODUCTION OF ANNUAL CROPS OF AGRICULTURAL HOLDINGS IN OPEN AIR BY CROP, 1382 (continued) (ha; ton)

Crop	Total			Irrigated			Rainfed		
	Number of holdings	Area	Production	Number of holdings	Area	Production	Number of holdings	Area	Production
Other vegetables[2]	240325	54852	1077530	101723	49726	1028098	138715	5127	49432
Tobacco	8547	5763	6724	4685	3324	4031	3867	2439	2693
Tobacco leaves	6759	3181	6014	6752	3179	6013	7	2	1
Annual ornamentals	3823	903	-	2381	867	-	1443	36	-
Millet	10022	6681	13798	9093	5877	13275	930	804	522
Peanut	3323	1337	3587	280	244	764	3044	1093	2841
Hawknut	26728	52320	15909	19135	32238	12843	8051	20081	3066
Henna	3579	4011	7730	3577	4010	7730	2	⦸	⦸
Madder	974	293	995	973	292	995	1	⦸	⦸
Sunflower grown for edible seeds	32391	30279	46175	29906	29007	45615	2526	1272	560
Watermelon grown for edible seeds	20182	52666	9370	7477	13529	4543	13176	39137	4827
Pumpkins grown for edible seeds	11202	15550	5930	10197	14525	5309	1012	1025	621
Hemp	538	158	107	530	151	104	8	7	3
Fennel-flower	2850	4221	2684	606	528	695	2254	3693	1989
Seed watermelon	828	1532	578	595	782	434	264	750	145
Seed alfalfa	536	786	519	516	706	493	20	79	26
Seed onion	252	55	43	194	54	42	58	2	1
Seed coriander	2707	2309	4197	2699	2304	4192	9	5	5
Soybeans	28624	54319	109634	14392	38160	83366	14387	16159	26268
Fodder beets	10144	1214	23873	10142	1214	23863	2	⦸	⦸
Seed sugar beets	1551	2268	3485	1551	2268	3485	0	0	0

1. Production unit: kilograms.

2. Includes eggplant, pumpkins, squash, gourds, garden peas, green beans, lettuce, cabbages, celery, spinach, parsley, coriander, garden-cress, leek, basil, peppermint, tarragon, trigonella, savory, asparagus, garlic (green), scallion, okra, pepper, garden radish, dill, endive, artichoke, etc.

Source: Statistical Centre of Iran.

4. 11. AREA UNDER CULTIVATION, PRODUCTION AND YIELD OF WHEAT IN OPEN AIR BY OSTAN, 1382

Ostan	Area under cultivation (ha)			Production (ton)			Yield per hectare (kg)		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
Total country	***6941286***	***2427916***	***4513370***	***11676252***	***7511968***	***4164284***	***1682***	***3094***	***923***
East Azarbayejan.....	459820	98967	360854	544397	233331	311067	1184	2358	862
West Azarbayejan	403395	130814	272580	641388	341788	299600	1590	2613	1099
Ardebil	313445	77449	235995	494409	257090	237319	1577	3319	1006
Esfahan	97263	78546	18717	348123	331358	16765	3579	4219	896
Ilam	161210	56629	104581	164599	114529	50070	1021	2022	479
Bushehr	213497	19283	194215	62387	34875	27512	292	1809	142
Tehran	45303	42605	2698	193856	190143	3713	4279	4463	1376
Chaharmahal & Bakhtiyari	73730	28737	44992	160205	93080	67125	2173	3239	1492
South Khorasan	31996	13536	18460	27716	24958	2758	866	1844	149
Khorasan-e-Razavi ...	788876	268416	520460	1158971	836714	322257	1469	3117	619
North Khorasan	178035	65269	112766	299967	173628	126339	1685	2660	1120
Khuzestan	832482	441171	391310	1140754	1047206	93548	1370	2374	239
Zanjan	285075	22109	262965	259887	57741	202146	912	2612	769
Semnan	34774	27387	7387	105921	97806	8115	3046	3571	1099
Sistan & Baluchestan	27828	27585	242	51342	51201	141	1845	1856	583
Fars	483999	371499	112500	1698908	1603614	95294	3510	4317	847
Qazvin	106518	55589	50929	235778	204331	31447	2214	3676	617
Qom	12577	11585	992	45003	44487	516	3578	3840	520
Kordestan	459128	43754	415374	538302	119023	419279	1172	2720	1009
Kerman	89965	89596	369	239066	238727	339	2657	2664	919
Kermanshah	413185	85252	327933	646744	291247	355498	1565	3416	1084
Kohgiluyeh & Boyerahmad	67013	12427	54586	78077	25720	52357	1165	2070	959
Golestan	345765	87099	258667	937080	268871	668208	2710	3087	2583
Gilan	9420	320	9100	10207	615	9592	1084	1922	1054
Lorestan	353572	96696	256876	515673	241953	273720	1458	2502	1066
Mazandaran	48323	1745	46577	102780	3266	99514	2127	1872	2137
Markazi	228327	63675	164652	329467	201651	127816	1443	3167	776
Hormozgan	13273	12783	490	46811	46490	321	3527	3637	655
Hamedan	343763	77673	266089	530713	268808	261905	1544	3461	984
Yazd	19730	19717	13	67722	67717	4	3432	3434	308

Source: Statistical Centre of Iran.

4. 12. AREA UNDER CULTIVATION, PRODUCTION AND YIELD OF BARLEY IN OPEN AIR BY OSTAN, 1382

Ostan	Area under cultivation (ha)			Production (ton)			Yield per hectare (kg)		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
Total country	***1817572***	***606165***	***1211407***	***2631691***	***1624515***	***1007176***	***1448***	***2680***	***831***
East Azarbayejan	104352	27215	77137	110591	51554	59038	1060	1894	765
West Azarbayejan	59407	19265	40142	82720	42571	40150	1392	2210	1000
Ardebil	73654	21019	52635	88353	38859	49494	1200	1849	940
Esfahan	45100	39375	5724	152323	148431	3892	3377	3770	680
Ilam	72074	2460	69615	46323	2536	43787	643	1031	629
Bushehr	34119	1383	32736	8206	1579	6628	241	1142	202
Tehran	39933	38646	1286	149123	147529	1594	3734	3817	1240
Chaharmahal & Bakhtiyari	26182	6834	19348	48289	19438	28851	1844	2844	1491
South Khorasan	7199	5454	1745	10043	9792	251	1395	1795	144
Khorasan-e-Razavi	243191	135828	107363	420996	361455	59541	1731	2661	555
North Khorasan	54096	25091	29005	96049	63421	32628	1776	2528	1125
Khuzestan	171684	29979	141706	108434	45775	62658	632	1527	442
Zanjan	49539	10270	39270	47065	21882	25183	950	2131	641
Semnan	16694	13659	3035	49292	46288	3004	2953	3389	990
Sistan & Baluchestan	10980	10901	79	14662	14597	64	1335	1339	810
Fars	153226	43876	109349	206973	123403	83571	1351	2813	764
Qazvin	32136	21000	11137	76045	70287	5758	2366	3347	517
Qom	17593	17538	55	56699	56642	57	3223	3230	1036
Kordestan	31992	6842	25150	36167	13935	22232	1131	2037	884
Kerman	26644	25627	1018	53255	52521	735	1999	2049	722
Kermanshah	102652	7742	94910	115974	20000	95973	1130	2583	1011
Kohgiluyeh & Boyerahmad	37627	2427	35200	37441	3980	33461	995	1640	951
Golestan	79831	6397	73434	138159	13546	124613	1731	2118	1697
Gilan	5309	237	5072	5513	431	5083	1038	1819	1002
Lorestan	192423	12259	180164	183974	23275	160699	956	1899	892
Mazandaran	24650	2217	22433	29469	3610	25860	1195	1628	1153
Markazi	37784	34944	2840	108671	106666	2005	2876	3052	706
Hormozgan	3514	1725	1789	4519	3711	808	1286	2151	452
Hamedan	59277	31253	28024	134268	104710	29558	2265	3350	1055
Yazd	4708	4702	6	12095	12094	1	2569	2572	167

Source: Statistical Centre of Iran.

4. 13. AREA UNDER CULTIVATION, PRODUCTION AND YIELD OF RICE (PADDY) IN OPEN AIR BY OSTAN, 1382

Ostan	Area under cultivation (ha)			Production (ton)			Yield per hectare (kg)		
	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed
Total country	***465453***	***465453***	***0***	***1819990***	***1819990***	***0***	***3910***	***3910***	***0***
East Azarbayejan.....	1610	1610	0	5190	5190	0	3224	3224	0
West Azarbayejan	162	162	0	684	684	0	4222	4222	0
Ardebil	589	589	0	1445	1445	0	2453	2453	0
Esfahan	13850	13850	0	74258	74258	0	5362	5362	0
Ilam	1863	1863	0	4198	4198	0	2253	2253	0
Bushehr	0	0	0	0	0	0	0	0	0
Tehran	86	86	0	363	363	0	4221	4221	0
Chaharmahal & Bakhtiyari	2628	2628	0	10256	10256	0	3903	3903	0
South Khorasan	0	0	0	0	0	0	0	0	0
Khorasan-e-Razavi	1341	1341	0	4769	4769	0	3556	3556	0
North Khorasan	365	365	0	1190	1190	0	3260	3260	0
Khuzestan	23839	23839	0	68214	68214	0	2861	2861	0
Zanjan	2507	2507	0	8260	8260	0	3295	3295	0
Semnan	⊘	⊘	⊘	⊘	⊘	0	⊘	⊘	0
Sistan & Baluchestan	659	659	0	2042	2042	0	3099	3099	0
Fars	40558	40558	0	185232	185232	0	4567	4567	0
Qazvin	1346	1346	0	3953	3953	0	2937	2937	0
Qom	0	0	0	0	0	0	0	0	0
Kordestan	21	21	0	92	92	0	4381	4381	0
Kerman	6	6	0	20	20	0	3333	3333	0
Kermanshah	1012	1012	0	2601	2601	0	2570	2570	0
Kohgiluyeh & Boyerahmad	5982	5982	0	23523	23523	0	3932	3932	0
Golestan	37735	37735	0	143633	143633	0	3806	3806	0
Gilan	160099	160099	0	553327	553327	0	3456	3456	0
Lorestan	3865	3865	0	11254	11254	0	2912	2912	0
Mazandaran	165301	165301	0	715376	715376	0	4328	4328	0
Markazi	5	5	0	8	8	0	1600	1600	0
Hormozgan	0	0	0	0	0	0	0	0	0
Hamedan	13	13	0	49	49	0	3769	3769	0
Yazd	11	11	0	40	40	0	3636	3636	0

Source: Statistical Centre of Iran.

4. 14. NUMBER OF HOLDINGS, PLANTED AREA OF SINGLE CROPS, NUMBER OF TREES AND PRODUCTION OF PERMANENT CROPS IN OPEN AIR BY CROP, 1382

(ha; 1000 sapling; ton)

Crop	Total		Single cropping				
	Number of holdings	Production	Number of holdings	Planted area	Number of trees		Production
					Productive	Sapling	
Apples	508254	1147386	104909	98999	19400	12333	915228
Pears	206849	75975	3226	2660	858	220	23912
Quinces	152616	23243	1872	1244	454	224	7104
Cherries and sour cherries	238351	79854	21491	8667	3709	1220	28001
Apricots	366203	136551	28769	13264	3113	1775	42047
Peaches and nectarines	183091	210523	13194	13622	4666	3498	90441
Plums	303582	89517	18037	5691	2143	779	24749
Irrigated figs	171889	26041	3030	1576	435	136	9100
Ranifed figs	140871	15444	4990	10010	2181	347	10098
Oranges	344352	735106	81732	44895	10636	4105	466380
Tangerines	147348	270526	17502	10002	2782	435	132991
Lemons	63131	93520	2931	4946	808	571	43758
Limes	77717	154262	13687	18640	1624	1894	73304
Grapefruits	3755	8310	82	394	94	12	6596
Other types of citrus fruit(1)	116460	24899	884	751	190	127	5750
Bananas	9543	51156	1113	3353	2223	1202	50352
Kiwis	23547	53346	15351	3774	1303	482	51813
Olives	29717	27087	11271	23288	1569	5336	24721
Pomegranates	338980	381587	77312	33173	18999	2770	292187
Dates	265205	507852	118998	123615	15525	5854	371719
Irrigated almonds	257977	62686	56749	44199	13507	8018	35279
Rainfed almonds	35902	4264	21630	37534	6472	6680	2952
Walnuts	705301	133210	95540	54468	4392	6828	46861
Hazelnuts	37985	6917	12567	7763	2526	743	5794
Pistachios	138805	307036	125323	298939	220551	87150	306192
Irrigated grapes	651374	1334498	415511	158172	164641	17409	1269830
Rainfed grapes	128268	81282	48140	35565	23321	3734	74039
Strawberries	12134	12376	6707	1415	-	-	10910

4. 14. NUMBER OF HOLDINGS, PLANTED AREA OF SINGLE CROPS, NUMBER OF TREES AND PRODUCTION OF PERMANENT CROPS IN OPEN AIR BY CROP1382 (continued)

(ha; 1000 sapling; ton)

Crop	Mixed cropping				Scattered trees			
	Number of holdings	Number of trees		Production	Number of holdings	Number of trees		Production
		Productive	Sapling			Productive	Sapling	
Apples	197720	8249	4353	210138	210548	911	544	22020
Pears	102689	1897	622	44531	101374	310	100	7532
Quinces	63870	729	326	11551	87162	280	86	4587
Cherries and sour cherries	131477	6140	2198	45266	87706	862	327	6588
Apricots	176587	4314	1989	76102	163177	953	413	18402
Peaches and nectarines	85186	6052	4589	111665	86086	405	459	8416
Plums	118407	3319	1289	52533	168399	844	295	12235
Irrigated figs	54601	576	152	9257	114641	395	80	7684
Ranifed figs	13361	176	27	1812	122594	197	43	3534
Oranges	88192	5865	1715	212528	179240	1561	308	56198
Tangerines	53851	2863	387	122236	77011	412	54	15299
Lemons	21400	1074	254	46838	38908	84	23	2924
Limes	34581	1967	1048	77314	30188	101	90	3645
Grapefruits	1837	30	9	1464	1841	6	1	250
Other types of citrus fruit [1]	18302	214	130	8094	97457	324	137	11055
Bananas	1816	51	27	712	6620	7	13	92
Kiwis	1573	20	6	776	6696	25	9	757
Olives	5646	143	831	1702	13824	33	173	663
Pomegranates	89371	3773	567	73160	175061	1205	216	16240
Dates	43084	3613	937	93611	120098	2676	741	42522
Irrigated almonds	95696	4370	2594	20073	109539	1984	1004	7334
Rainfed almonds	4062	741	261	742	10405	382	278	570
Walnuts	244542	4226	4574	56899	376252	1825	2027	29451
Hazelnuts	13427	859	102	899	12175	49	31	224
Pistachios	4944	225	633	728	9086	50	168	116
Irrigated grapes	109794	7151	1474	52474	134452	1153	225	12193
Rainfed grapes	10034	941	182	3518	70217	180	40	3725
Strawberries	3906	-	-	1408	1540	-	-	58

4. 14. NUMBER OF HOLDINGS, PLANTED AREA OF SINGLE CROPS, NUMBER OF TREES AND PRODUCTION OF PERMANENT CROPS IN OPEN AIR BY CROP 1382 (continued)

(ha; 1000 sapling; ton)

Crop	Total		Single cropping				
	Number of holdings	Production	Number of holdings	Planted area	Number of trees		Production
					Productive	Sapling	
Tea	41442	150483	41435	21378	-	-	150479
Types of berries and black mulberries	170913	14035	1249	689	283	67	1866
Silkworm mulberries	94920	-	20257	5907	36427	1899	-
Damask roses	50672	6348	6447	2909	-	-	4284
Poplars [2, 3]	460611	19779	83480	41378	42806	65078	13254
Productive trees nursery [3]	6623	10225	3831	1178	-	-	5079
Non-productive trees nursery [3]	2479	2586	1697	1102	-	-	1730
Permanent ornamentals	26929	-	1972	707	-	-	-
Persimmons	19747	6251	268	125	43	16	1115
Chestnuts	1210	514	59	17	5	11	172
Oleasters	18586	2114	285	105	27	8	274
Sumach	2907	359	948	646	-	-	249
Hawthorn	2781	472	109	14	6	//	65
Berberries	18967	6455	15108	5048	-	-	6205
Cornelian cherries	3503	1860	460	132	61	13	632
Jujubes	8372	471	432	102	22	36	87
Mangos	7779	3526	204	138	8	14	528
Papayas	36	3	0	0	0	0	0
Lotus trees	16656	1662	59	54	11	71	120
Medlars	37149	4429	626	226	109	9	1842

4. 14. NUMBER OF HOLDINGS, PLANTED AREA OF SINGLE CROPS, NUMBER OF TREES AND PRODUCTION OF PERMANENT CROPS IN OPEN AIR BY CROP, 1382 (continued)

(ha; 1000 sapling; ton)

Crop	Mixed cropping				Scattered trees			
	Number of holdings	Number of trees		Production	Number of trees Production	Number of trees		Production
		Productive	Sapling			Productive	Sapling	
Tea.....	10	-	-	4	1	-	-	⦸
Types of berries and black mulberries	56404	373	234	6510	113782	336	188	5659
Silkworm mulberries	10767	623	117	-	65809	3205	338	-
Damask roses	32208	-	-	1952	12103	-	-	112
Poplars [2, 3]	63181	4871	4320	2269	324583	10538	15360	4256
Productive trees nursery[3]	2660	-	-	5138	154	-	-	8
Non-productive trees nursery [3].....	488	-	-	854	298	-	-	2
Permanent ornamentals ..	13211	-	-	-	11775	-	-	-
Persimmons	6925	125	30	4135	12585	29	13	1001
Chestnuts	172	4	2	74	981	11	5	268
Oleasters	5394	60	135	529	12971	171	85	1311
Sumach	1858	-	-	107	113			3
Hawthorn	1133	18	1	181	1549	16	1	226
Berberries	3037	-	-	227	971			23
Cornelian cherries	2470	122	23	1161	607	7	2	67
Jujubes.....	2322	28	14	207	5711	29	14	178
Mangos.....	3720	43	21	2494	3888	10	10	504
Papayas	29	//	2	2	7	//	1	//
Lotus trees	1108	40	8	481	15504	33	14	1062
Medlars	5099	64	15	1170	31509	66	23	1417

1. Including sour orange, pummelo, cedrate, Bengal quince.

2. Including poplars, white poplar, black poplar, willows, etc.

3. Production unit: 1000 sapling.

Source: Statistical Centre of Iran.

4. 15. NUMBER OF HOLDINGS AND PRODUCTION OF SELECTED PERMANENT CROPS IN OPEN AIR BY OSTAN, 1382

(ton)

Ostan	Irrigated grapes		Apples		Oranges	
	Number of holdings	Production	Number of holdings	Production	Number of holdings	Production
Total country	***651374***	***1334498***	***508254***	***1147386***	***344352***	***735106***
East Azarbayejan.....	46945	133543	72270	169365	0	0
West Azarbayejan	31605	122508	47959	458258	0	0
Ardebil	7945	1996	28939	24723	84	//
Esfahan	51719	37522	28648	131669	92	1
Ilam	3390	673	1205	112	793	32
Bushehr	222	14	16	1	1484	312
Tehran	18381	50721	31933	110614	50	//
Chaharmahal & Bakhtiyari	13933	26318	4881	5105	45	//
South Khorasan	5683	1380	3502	154	3	0
Khorasan-e-Razavi	74634	188771	35325	55941	38	//
North Khorasan	24926	25224	11257	8334	1	⦸
Khuzestan	3221	1731	682	270	3170	12359
Zanjan	36074	101016	18628	34526	618	22
Semnan	9888	22000	5181	3031	8	1
Sistan & Baluchestan ..	4219	2388	1944	528	6393	3139
Fars	32020	107810	17576	47354	19206	98607
Qazvin	45558	178007	11934	17517	55	4
Qom	3506	5919	2109	427	8	0
Kordestan	20745	20447	18445	5915	16	0
Kerman	11634	4503	8375	14200	27425	153274
Kermanshah	17251	28722	7609	6051	810	41
Kohgiluyeh & Boyerahmad	8516	11761	6908	11598	2130	143
Golestan	10642	431	5449	112	21971	11940
Gilan	2181	357	60811	2496	98326	58466
Lorestan	11307	18402	6936	9772	611	17
Mazandaran	10805	502	20334	5396	145142	381624
Markazi	52114	107356	16713	7416	8	//
Hormozgan	2304	293	950	95	14454	14887
Hamedan	66824	120464	20136	15371	0	0
Yazd	23182	13716	11597	1034	1411	237

Source: Statistical Centre of Iran.

4. 16. AREA OF GREENHOUSES ON AGRICULTURAL HOLDINGS BY OSTAN: 1382 (ha)

Ostan	Number of holdings	Area of greenhouses
Total country	***8509***	***2420***
East Azarbayejan	85	11
West Azarbayejan	33	5
Ardebil	23	6
Esfahan	1423	444
Ilam	45	10
Bushehr	11	3
Tehran	1001	497
Chaharmahal & Bakhtiyari	37	6
South Khorasan	19	2
Khorasan-e-Razavi	206	27
North Khorasan	12	1
Khuzestan	123	119
Zanjan	39	8
Semnan	109	25
Sistan & Baluchestan	173	42
Fars	105	35
Qazvin	53	13
Qom	27	6
Kordestan	27	3
Kerman	701	482
Kermanshah	48	12
Kohgiluyeh & Boyerahmad	13	3
Golestan	64	9
Gilan	284	33
Lorestan	53	5
Mazandaran	2394	226
Markazi	597	183
Hormozgan	11	14
Hamedan	50	9
Yazd	747	181

Source: Statistical Centre of Iran.

4. 17. UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY REGIONAL WATER ORGANIZATIONS (ha; mln cu m)

Regional water organizations and irrigation and drainage networks	Water supply resource	Reservoir	Area of cultivated	Volume of water used(1)
1380	××	××	778694	7464
1384-85(2)	××	××	966395	11939
1385-86(2)	××	××	1033513	13174
1386-87(2)	××	××	722642	9667
1387-88	××	××	738009	7657
1388-89	××	××	***747074***	***10507***
East Azarbayejan	××	××	××	××
Sufi chay	Sufichay	Alaviyan	2795	26.6
Sattar khan	Aharchay	××	4707	19.5
West Azarbayejan	××	××	××	××
Dasht-e-shiblu	Aras	××	1798	24.6
Dasht-e-Zanganeh	Gharasu	××	447	4.2
Zarrinehrud (Miyandoab)	Zarrinehrud	Bukan	25546	548.3
Mahabad	Mahabad	Mahabad	10692	125.6
Qanbar kandi	Aras	××	1180	13.6
Hasanlu	××	Hasanlu	429	22.4
Ardebil	××	××	××	××
Quri chay	Aghchay&Geruchay	Qurichay	1896	5.3
Moghan	Aras	Aras	68275	1009.5
Ardebil	Balkhichay	Ardebi	6180	21.5
Esfahan	××	××	××	××
Abshar	Zayandehrud	Zayandehrud	6000	88.9
Borkhar(esfahan)	Zayandehrud	Zayandehrud	2366	23.1
Rudashtin	Zayandehrud	Zayandehrud	16319	122.2
Karvan (Khamiran)	Morghab	Khamiran	1545	18.5
Mahyar	Zayandehrud	Zayandehrud	4300	33.7
Nekuabad	Zayandehrud	Zayandehrud	13370	149.9
Golpayegan	Golpayegan	Golpayegan	3356	37.9
Hanna	Hanna	Hanna	660	9.1
Ilam	××	××	××	××
Konjancham (Mehran)	Konjancham	Ilam	584	5.1
Holilan	Seymareh	××	394	7.1
Doviraj 1 & 2	Doviraj1&3	××	1050	10.6
Amirabad	Konjancham	Ilam	10	0.1
Dasht-e-Abbas	Karkheh	××	11095	92.4
Meymeh	Meymeh	××	1527	8
Mulab	Seyahgav	-	0	0
Bushehr	××	××	××	××
Ahram	RudkhanehBahush	××	800	8.8
Dalaki	RudkhanehDalki	××	8700	97.2
Shabankareh	RudkhanehDalki	RudkhanehDalki	10000	139.8
Tehran	××	××	××	××
Varamin	Jajrud	Latiyan	52500	124.6
Karaj	Karaj	Amirkabir	16500	66.6
Kordan	Kordan	××	8500	14.8
Chaharmahal & Bakhtiyari	××	××	××	××
Ardal	KiyarvaJonqan	××	1280	5.7
Jonaqan	BabrGhar	××	4000	5.9
Gandoman & Boldaji	Chaghakhor	Chaghakhor	948	10.5

4. 17. UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY REGIONAL WATER ORGANIZATIONS (continued)

(ha; mln cu m)

Regional water organizations and irrigation and drainage networks	Water supply resource	Reservoir	Area of cultivated	Volume of water entered the network[1]
South Khorasan	××	××	××	××
Shahid Parsa-ye-Ferdos	Zow	ShahidParsa	0	0
Khorasan-e-Razavi	××	××	××	××
Shahid Yaqubi	KalSalar	ShahidYaqubi	888.2	1.2
Shahid Dehqan-e-Taybad	Eshtivan	ShahidDehqan	390.3	5.4
Tabarak abad	Tabarakabad	Tabarakabad	636.4	1.7
Sangard	-	Sangard	402.2	2.8
Kamayestan	-	-	184.2	1.3
Fariman	-	-	1646	5.3
North Khorasan	××	××	××	××
Shirvan	Ghalejoq	Shirvan	2160	7.9
Chery	-	Chery	551	1.3
Khuzestan	××	××	××	××
Avan	Karkheh	Karkheh	4672	53.2
Dez	Dez	Dez	108766	2892.2
Shavur	Shavur	××	4998	82.9
Fajr & Jayzan	Marun	Marun	4848	53.9
Karkheh (Hamidiyeh & Qods)	Karkheh	Karkheh	14073	214.6
Gotvand	Karun	ShahidAbbaspour	38392	675.6
Marun (Behbahan)	Marun	Marun	15217	173
Veys	Karun	ShahidAbbaspour	7053	76.1
Beneh basht	Kheirabad	××	1136	12.3
Shahid Rajaee	Zohre	Kowsar	4161	28.8
Ramshir	Jarahi	Marun	6736	31.4
Shadegan	Jarahi	Marun	3189	34.1
Hamudi	Karkheh	Karkheh	3432	6.1
Daryun	Karyun	Gotvand	2306	234.5
Semnan	××	××	××	××
Garmsar	Hablehrud	××	21750	137.2
Sistan & Baluchestan	××	××	××	××
Bampur	Bampur	××	200	6.1
Chah nimeh	Sistan	Chahnimeh	37000	532.5
Miyankangi	Paryanmoshtarak	××	36500	323.6
Bahukalat	Bahukalat	Pishin	4250	63.7
Fars	××	××	××	××
Dorudzan (Ramjerd)	Kor	Dorudzan	13042	98.2
Qazvin	××	××	××	××
Qazvin	Taleqan	Taleqan	47829	276.1
Kordestan	××	××	××	××
Zarivar (Marivan)	Daryacheh	××	0	0
Qeshlaq	-	-	300	2.1
Kerman	××	××	××	××
Jiroft	Halilrud	Jiroft	514	4.7
Kermanshah	××	××	××	××
Berimvand (Dasht-e-zahab)	Alvand	××	2000	7
Jegarlu (Qasr-e-shirin)	Alvand	××	500	7
Ravansar	SarabRavansar	××	850	2.4
Sefidbarg	Sefidbarg	××	160	0.8
Sumar	Kangir	××	800	9.9

4. 17. UTILIZATION OF MODERN IRRIGATION AND DRAINAGE NETWORKS BY REGIONAL WATER ORGANIZATIONS (continued)

(ha; mln cu m)

Regional water organizations and irrigation and drainage networks	Water supply resource	Reservoir	Area of cultivated	Volume of water entered the network(1)
Chamchema	Dinevar	××	850	2.5
Kohgiluyeh & Boyerahmad	××	××	××	××
Servak & Shahqasem	Bashar	Shahqasem	160	1.7
Dasht-e-rum	Dashterum	××	14	0.2
Dasht-e-choram	Chah	××	150	2.1
Dasht-e-chitab	Kikian	××	52	0.6
Golestan	××	××	××	××
Voshmgir	Gorganrud	Vushmgir	17294	65
Golestan 1	Gorganrud	××	2100	11.4
Kowsar	Nomel–Garmabdasht	Nomel	667	4.8
Bustan	-	-	582	4.3
Gilan	××	××	××	××
Sefidrud & Fumanat(2)	Sefidrud	Sefidrud	55649	1844.3
Lorestan	××	××	××	××
Chogholvandi	Babalian	××	1440	5.1
Aliabad (Dorud)	Silakhor	××	435	9.6
Silakhur	Marire	××	4040	81.4
Mazandaran	××	××	××	××
Tajan	Tajan	ShahidRajaee	11704	120.5
Markazi	××	××	××	××
Saveh	Gharechai	Saveh	5000	45.3
Hormozgan	××	××	××	××
Minab	Minab	Esteqlal	9361	67.3
Jegin	-	-	1920	22.7
Hamedan	××	××	××	××
Shaban Borzul	Gamasiyab	-	1750	24
Abbasabad	Abbasabad	-	220	1

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

2. Since the utilization of irrigation networks corresponds to crop year, the current year's data are also presented on the same year basis.

Source: Ministry of Energy.

4. 18. GUARANTEED PURCHASE PRICE OF BASIC CROPS (kg; rial)

Crop	1375	1380	1385	1386	1387	1388	1389
Wheat	410	1050	2050	2250	3050	3300	3600
Barley	317	800	1520	1650	2700	2600	2900
Grain corn	348	890	1620	1750	2760	2760	3000
Peas	727	1870	5000	5400	6480	6480	6800
Navy beans	870	2240	4500	×	5830	×	×
Kidney beans	808	2065	4500	4850	5830	5820	6000
Pinto beans	1030	2650	4500	4850	5830	5960	6200
Lentils	895	2285	5000	5400	6480	6480	6800
Sugar beets	97	252	460	500	620	750	900
Cotton	1600	2820	5000	5400	6480	7500	9000
Soybeans	683	1770	3200	3450	5350	5350	5200
Sunflower seeds	870	2035	3400	3670	5700	5700	6000
Potatoes	174	437	883	910	1080	1350	1450
Onions	137	377	627	670	790	900	900

Source: Government.

4. 19. AVERAGE SALE PRICE PER KILOGRAM OF SELECTED ANNUAL CROPS IN RURAL AREAS

(rial)

Year and Ostan	Wheat	Barley	Rice	Peas	Pinto beans	Lentils	Sugar beet	Cotton	Manufactured tobacco
1370**.....	136	105	399	404	-	234	-	390	-
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
1386.....	2089	2155	4985	6323	12053	6288	503	6759	18628
1387.....	2926	3793	10291	6908	13325	10225	561	6096	28372
1388.....	3053	2511	6435	7341	9500	10189	660	6750	20364
1389.....	***3189***	***2482***	***7378***	***7547***	***14138***	***10310***	***800***	***12767***	***29136***
East Azarbayejan....	3201	2658	×	7928	11809	8201	×	×	×
West Azarbayejan ..	3121	2402	×	7783	×	×	765	×	×
Ardebil	3205	2335	×	10271	14633	12543	×	8736	×
Esfahan	3216	2491	10182	9000	×	12917	689	8393	×
Ilam	3294	2497	×	7447	14677	12501	×	×	×
Bushehr	3362	2588	×	×	×	×	×	×	×
Tehran	3022	2479	×	6188	×	×	×	×	×
Chaharmahal & Bakhtiyari	3186	2547	×	×	13118	10144	816	×	×
South Khorasan.....	3255	2634	×	×	×	17518	724	13460	×
Khorasan-e-Razavi.	3148	2510	×	7111	×	9500	861	14109	×
North Khorasan.	3160	2545	×	7663	13077	8021	875	14428	×
Khuzestan	3272	2359	4336	×	×	×	×	×	×
Zanjan.....	2811	2418	6484	4351	14893	10868	696	×	×
Semnan.....	3234	2580	×	10862	×	11143	757	4311	×
Sistan & Baluchestan	3168	2673	×	×	×	×	×	×	×
Fars.....	3309	2536	11668	10313	14138	9910	812	11059	×
Qazvin.....	3004	2321	×	12000	16377	×	615	×	×
Qom	3003	2458	×	×	14404	×	×	12626	×
Kordestan	3145	2563	×	8010	×	15676	×	×	×
Kerman.....	3358	3200	×	9000	10920	×	×	×	×
Kermanshah	3237	2240	×	6880	×	15556	741	×	×
Kohgiluyeh & Boyerahmad	3200	2314	7849	×	11778	11813	×	×	×
Golestan..	3276	2468	7387	×	×	×	×	9636	29853
Gilan.....	2585	×	7763	×	×	×	×	×	32333
Lorestan	3180	2393	×	6355	14745	8500	800	×	×
Mazandaran.....	2953	2369	7226	×	15615	×	×	5547	21648
Markazi...	3191	2588	×	×	17367	×	×	12188	×
Hormozgan.....	3367	×	×	×	×	×	×	×	×
Hamedan...	3034	2521	×	6932	×	7870	×	×	×
Yazd	3238	2639	×	×	×	×	×	×	×

4. 19. AVERAGE SALE PRICE PER KILOGRAM OF SELECTED ANNUAL CROPS IN RURAL AREAS (continued)

(rial)

Year and Ostan	Tobacco leaves	Sunflower oil seeds	Melons	Water-melons	Cucumbers	Potatoes	Onions	Tomatoes	Alfalfa, dry
1370**.....	-	338	68	51	124	105	60	88	83
1375	-	1194	251	148	426	455	415	210	360
1380	3903	2618	650	437	617	531	580	604	(1)758
1385.....	12230	3794	1598	1033	2161	1671	1308	1059	1328
1386.....	43756	5940	1669	965	2043	2579	1160	1127	1492
1387.....	21580	12622	2866	1331	2132	1305	1629	2433	2572
1388.....	28490	6033	2089	1379	2671	1970	2860	1238	1927
1389**.....	***20879***	***6745***	***2331***	***1242***	***3454***	***2791***	***1994***	***2150***	***1927***
East Azarbayejan.....	×	5000	2235	1095	2818	2246	1996	2078	1378
West Azarbayejan. ...	×	×	2044	1789	2857	2034	2107	1822	1391
Ardebil	×	×	×	1345	2987	2424	×	1420	1383
Esfahan.....	18000	8500	3492	1128	2705	2540	1491	2393	1986
Ilam.....	×	×	3302	1806	2614	×	1607	2156	1655
Bushehr.....	21395	×	2953	1854	3217	×	2003	3233	3706
Tehran....	×	×	×	×	3761	3712	2214	2280	2240
Chaharmahal & Bakhtiyari	×	×	×	×	3854	2929	×	3126	2200
South Khorasan.....	×	×	1513	1104	3977	4077	×	3186	2329
Khorasan-e-Razavi...	13182	×	1831	1119	2978	3634	2039	1443	2274
North Khorasan..	×	10000	2384	977	3929	3761	2496	1509	1892
Khuzestan.....	×	×	1740	1557	2244	2739	2031	2194	1785
Zanjan	×	×	3054	1063	2957	2844	2448	2492	2095
Semnan.....	×	8510	3302	1906	3957	3621	2504	3114	2410
Sistan & Baluchestan	×	×	2198	1825	3056	×	2740	3444	2469
Fars.....	×	×	3354	997	1953	2967	968	1789	2075
Qazvin.....	×	×	2190	1153	3316	2666	1707	1805	2082
Qom.....	×	×	2241	1581	×	×	2220	×	2182
Kordestan.....	×	9333	1548	1248	4247	3005	×	2893	1725
Kerman.....	×	×	2100	1329	3628	4010	2981	1070	1167
Kermanshah	×	×	2909	1565	2143	2360	1505	1630	1770
Kohgiluyeh & Boyerahmad	×	×	2690	1338	3434	×	2500	2340	3185
Golestan.....	×	5561	1333	885	1705	3106	2000	1007	×
Gilan.....	×	×	4800	1778	2320	3444	×	3383	×
Lorestan.....	×	×	×	1503	2452	2498	1341	1992	2391
Mazandaran.....	×	×	1622	1068	2479	3082	4220	1792	2200
Markazi.....	×	×	2942	1777	3723	3566	1706	2427	2315
Hormozgan	×	×	3103	2608	2868	3973	2921	2870	×
Hamedan	×	×	×	818	3901	2538	2241	1438	1868
Yazd	×	×	3720	1542	2668	×	1600	2388	2613

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

Source: Statistical Centre of Iran.

4. 20. AVERAGE 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
1370*.....	87	167	-	125	80	421	-	-	-	-
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
1386.....	3926	5470	4344	2564	3516	3817	4189	37043	13000	28839
1387.....	4378	4716	6833	5505	3476	5838	7108	43227	12265	35122
1388.....	6260	15433	7273	3905	4167	8117	9127	58479	×	38341
1389.....	***6092***	***13840***	***11805***	***3543***	***5038***	***7045***	***7719***	***69404***	***26286***	***40695***
East Azarbayejan .	3553	12389	8372	2512	×	×	×	×	22174	32703
West Azarbayejan .	3099	×	×	3085	×	×	×	×	×	42500
Ardebil	4786	×	×	9009	×	×	×	×	×	×
Esfahan.....	5299	8925	×	5374	×	×	5191	×	22209	38056
Ilam	×	9286	×	4756	×	×	10000	×	×	49779
Bushehr	×	×	×	×	×	5595	×	×	×	×
Tehran....	8282	14500	15115	4949	×	×	×	×	×	55313
Chaharmahal & Bakhtiyari.	5587	4887	×	3730	×	×	×	×	36790	53011
South Khorasan	×	10064	×	4550	×	×	8938	50988	12861	45250
Khorasan-e-Razavi	4372	13373	6893	4150	×	×	6943	66637	17656	49002
North Khorasan	4072	16932	7359	2959	×	×	8500	78697	13885	50207
Khuzestan.....	×	×	×	×	3142	4499	×	×	×	×
Zanjan	3813	×	×	2974	×	×	7055	×	×	55569
Semnan.....	5282	11532	10000	4148	×	×	8216	×	24185	51049
Sistan & Baluchestan ..	×	9107	×	7052	×	6406	8959	67733	×	×
Fars	3595	9880	×	4168	5224	4842	7054	×	16036	45094
Qazvin	9045	16446	8025	3966	×	×	10400	85728	×	27441
Qom.....	7168	11748	11389	5572	×	×	7176	65438	16469	40385
Kordestan	5590	×	×	4506	×	×	×	×	×	39470
Kerman.....	2966	5330	9326	6968	5331	9383	15584	60558	27781	45080
Kermanshah .	5434	×	×	3583	×	×	10381	×	×	23621
Kohgiluyeh & Boyerahmad	4443	×	×	3475	5159	×	8131	×	×	47432
Golestan	×	×	×	×	5499	×	×	×	×	×
Gilan.....	×	×	×	×	4173	×	×	×	×	×
Lorestan.....	×	×	×	4153	×	×	×	×	×	×
Mazandaran..	4761	7317	6606	×	4935	×	×	×	×	37368
Markazi	9252	12777	×	4358	×	×	8203	72718	×	×
Hormozgan...	×	×	×	×	5555	5143	×	×	×	×
Hamedan	5073	×	×	4448	×	×	×	×	×	×
Yazd	×	25087	×	5197	×	×	6971	76625	×	×

Source: Statistical Centre of Iran.

4.21. AVERAGE PRODUCTION COSTS AND FARM-GATE PRICES [1] OF SELECTED ANNUAL CROPS

(rial)

Crop	1383-84		1384-85		1385-86	
	Costs of production	Farm-gate prices	Costs of production	Farm-gate prices	Costs of production	Farm-gate prices
Irrigated wheat	4394520	1256	5231670	1436	5565800	1519
Rainfed wheat	1238720	1416	1403370	1599	1696090	1673
Irrigated barley	3807640	1260	4116960	1469	4768430	1629
Rainfed barley	1248090	1465	1350890	1712	1652360	1632
Irrigated grain corn	6492750	841	7341900	1008	8349920	1155
Irrigated peas	3519660	3371	4086560	3478	4525690	4771
Rainfed peas	1445410	3624	1960230	4741	2129010	4951
Irrigated lentils	4024610	3893	4459670	4962	5202950	5428
Rainfed lentils	1643280	3780	2073850	5364	2442040	5708
Irrigated sunflower	5547140	3540	7356290	4349	11166780	5886
Rainfed sunflower	1768490	1870	2117150	2717	3172570	3699
Irrigated cotton	7628000	3096	8443130	3456	9082240	3649
Rainfed cotton	4657570	4628	2873600	2535	5706500	4488
Sugar beets	9783410	302	11179050	323	13233730	389
Irrigated watermelons	7876150	306	10088710	397	11527940	445
Rainfed watermelons	1958360	527	2704070	561	2456500	420
Irrigated cucumbers	14413160	696	18617830	945	18472090	1032
Irrigated potatoes	15684370	616	19819240	770	28271310	937
Irrigated onions	14109300	544	16719320	531	22663150	674
Irrigated tomatoes	16834240	474	21195640	616	23957610	652
Irrigated navy beans	8065830	4486	8142080	3622	11022310	5574
Irrigated kidney beans	7133570	4321	7966250	3044	11395680	5813
Irrigated pinto beans	7960430	3855	9652740	4354	12407020	4640
Irrigated spring soybeans	4952570	1483	5508730	2250	-	-
Rainfed spring soybeans	4251510	1872	4263530	3057	5333510	2023
Irrigated summer soybeans	5391290	2015	5508080	2357	6567880	2433
Rainfed summer soybeans	3574750	2244	2693840	2538	4449710	3075
Quality long grain rice	15808370	4181	18511450	4938	18929670	5073
High-yielding long grain rice	13363460	2029	12569820	2106	13992060	2103
Quality mid-size rice	13024610	2987	16050140	4061	21292370	4498
Short grain rice	11940050	2969	10663970	2857	9246340	2798

4. 21. AVERAGE PRODUCTION COSTS AND FARM-GATE PRICES[1] OF SELECTED ANNUAL CROPS (continued)

(rial)

Crop	1386-87		1387-88	
	Costs of production	Farm-gate prices	Costs of production	Farm-gate prices
Irrigated wheat	6386490	2485	7026100	2095
Rainfed wheat	1835530	5629	2160810	2323
Irrigated barley	5566600	2827	7015880	2083
Rainfed barley	1630650	6375	2382860	2488
Irrigated grain corn	8757840	1445	12315160	1737
Irrigated peas	3616880	7865	7516570	7005
Rainfed peas	2019830	13202	2439960	8402
Irrigated lentils	6279630	8632	7674540	7979
Rainfed lentils	2795230	9818	3226900	9217
Irrigated sunflower	10399420	5789	10329430	6579
Rainfed sunflower	3573600	4146	4155910	4313
Irrigated cotton	11569550	4438	13546160	6268
Rainfed cotton	6084190	5267	6925690	5229
Sugar beets	14185940	360	19035260	549
Irrigated watermelons	11908080	486	15950660	683
Rainfed watermelons	6322430	906	5548390	743
Irrigated cucumbers	25882520	1096	26759220	1357
Irrigated potatoes	27823350	1127	28679210	1105
Irrigated onions	26345610	642	26021310	869
Irrigated tomatoes	29646690	794	30967450	824
Irrigated navy beans	11904640	6005	14617060	8740
Irrigated kidney beans	12233970	6827	13054240	7158
Irrigated pinto beans	12947060	6336	14891930	7859
Irrigated spring soybeans	10267760	3760	0	0
Rainfed spring soybeans	4949900	2626	6560560	2506
Irrigated summer soybeans	7254660	2874	9975640	3356
Rainfed summer soybeans	4313410	2902	0	0
Quality long grain rice	26792130	7485	27350770	7246
High-yielding long grain rice	19122210	2803	22820740	3493
Quality mid-size rice	25120940	6506	28836890	6503
Short grain rice	16020060	4849	19887760	6525

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

Source: Ministry of Jihad-e-Agriculture.

4. 22. AMOUNT OF FERTILIZERS DISTRIBUTED BY TYPE (ton)

Year and Ostan	Total	Nitrogenous	Phosphate	Potash	Macro & micro elements
1370**	2114444	1050737	1063494	223	0
1375	2225669	1370893	813192	41578	0
1380	2919813	1761637	656242	213176	288758
1385	4574238	2511989	1244861	378162	439226
1386	3416482	2135803	853823	277928	148929
1387	3345785	2300466	836236	204333	4750
1388[1]	2959453	1978566	737903	67382	175600
1389	***2699920***	***1713796***	***[2]878466***	***82258***	***25400***
East Azarbayejan	99681	64330	33071	1680	600
West Azarbayejan	96814	62268	30301	3045	1200
Ardebil	88764	48673	35343	3948	800
Esfahan	123764	78729	40744	3291	1000
Ilam	41780	28746	12504	330	200
Bushehr	24698	15034	8836	628	200
Tehran	58243	40030	15330	2083	800
Chaharmahal & Bakhtiyari	31940	20504	9640	1196	600
South Khorasn	22715	12937	9227	351	200
Khorasan-e-Razavi	209213	146453	57896	4464	400
North Khorasn	52922	33292	16535	2695	400
Khuzestan	257091	181423	66830	7238	1600
Zanjan	56226	31803	21994	1429	1000
Semnan	30107	17277	11185	1245	400
Sistan & Baluchestan	40286	25963	13591	332	400
Fars	297869	205117	81805	9747	1200
Qazvin	63141	37304	22254	2783	800
Qom	20918	12532	7400	786	200
Kordestan	68738	38450	27898	1790	600
Kerman[3]	198243	96458	91785	7800	2200
Kermanshah	125136	92129	29002	2005	2000
Kohgiluyeh & Boyerahmad	30831	16248	12967	1216	400
Golestan	144892	98778	41604	2310	2200
Gilan	70543	46582	18568	4593	800
Lorestan	90396	54819	32968	2009	600
Mazandaran	126223	72404	48077	4142	1600
Markazi	75265	49973	22432	2060	800
Hormozgan	28579	12417	13523	2239	400
Hamedan	96675	59846	31500	4129	1200
Yazd	26228	13277	11657	694	600

1. Difference between the total and sum of parts is due to the inclusion of phosphate fertilizer in the total, distributed in Ostans directly by fertilizer manufacturing companies.

2. Excluding the amount of 1999 tons of phosphate fertilizer distributed for the manufacturing company.

3.The amount of fertilizer distributed in Jiroft is included in Kerman Ostan

Source: Agricultural Support Services Company.

4. 23. PESTICIDES SOLD BY TYPE (ton)

Year	Total	Insecticides	Acaricides	Fungicides	Herbicides	Rodenti-cides	Mollusc-ocides	Granule and oil[1]	Others
1375	15823	[2]7986	1152	1921	4661	55	14	[2]000	34
1380	25578	[3]8663	1134	2813	7211	122	65	5537	33
1385	20894	[3]3917	240	3285	9971	5	0	3394	82
1386	14354	[3]920	129	2208	7120	73	1	3856	47
1387	7818	351	75	1207	2537	33	0	3558	57
1388.....	5830	288	65	602	1806	0	0	2969	100
1389.....	***3267***	***148***	***15***	***468***	***865***	***0***	***0***	***1771***	***0***

1. Including diazinon granules, padan granules, emulsified oil and regent.

2. Granule and oil pesticides are included with insecticides in 1375.

3. Including tablets.

Source: Agricultural Support Services Company.

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

Year	Tractor		Combine		Ploughshare	
	Production	Sale	Production	Sale	Production	Sale
1375	5452	4727	240	225	6856	6688
1380	12208	12560	346	4	7031	4644
1384	25338	22969	787	771	5696	5634
1385	32929	27351	968	968	6010	5858
1386.....	35244	37097	884	756	8177	7573
1387.....	20236	23076	248	214	3885	3048
1388.....	***13309***	***17297***	***362***	***442***	***2738***	***3018***

Source: Statistical Centre of Iran.

4.25. HOLDINGS USING THE FOLLOWING AGRICULTURAL MACHINES AND MACHINERY, 1382

Types of agricultural machines and machinery	Total	Owned by holder	Owned by others
Tractor	2419557	292828	2126729
Tiller	425899	128717	297184
Combine	1014949	13501	1001448
Trailer	1498503	248369	1250134
Harvester	214061	17921	196139
Mower	82195	9703	72492
Rake	40706	6637	34069
Baler	128462	5876	122587
Chopper	8054	564	7491
Wheat and barley thresher	1215846	86536	1129311
Rice thresher	275678	32183	243495
Tractor plough	2047513	252642	1794870
Disk	1072430	126876	945554
Furrower	238762	32459	206305
Ditcher	322564	45500	277064
Cultivator	419354	44748	374606
Fertilizer broadcaster	307238	42031	265207
Tractor sprayer	732700	65749	666951
Motorized sprayer	372761	57169	315592
Knapsack sprayer	631831	232577	399254
Water pump motor (diesel)	571002	397731	173271
Electric motor	497947	385272	112674

Source: Statistical Centre of Iran.

4.26. HOLDINGS USING AGRICULTURAL MACHINERY AND EQUIPMENT BY OSTAN, 1382

Ostan	Tractor	Tiller	Combine	Trailer	Harvester	Mower	Rake	Baler
Total country	***2419557***	***425899***	***1014949***	***1498503***	***214061***	***82195***	***40706***	***128462***
East Azarbayejan.....	169880	3781	36961	111401	11899	8293	1744	979
West Azarbayejan	157449	2622	28684	129759	28958	19112	1496	215
Ardebil	82748	832	53719	71859	2877	2320	355	5466
Esfahan.....	131208	5137	40186	48522	8536	8533	4336	6635
Ilam	45109	142	15550	28077	9434	68	17	184
Bushehr	24209	295	10852	8700	376	137	7	21
Tehran	26588	2415	10973	5233	2329	2643	1788	3447
Chaharmahal & Bakhtiyari	44748	1355	6017	30220	3871	5077	3168	1368
South Khorasan	23242	263	1911	5257	2303	43	64	65
Khorasan-e-Razavi	242869	6249	72736	106560	37383	1908	1866	2695
North Khorasan	57829	218	19385	44261	13615	230	514	1370
Khuzestan	109010	545	52495	60904	5670	931	182	3681
Zanjan	57721	1156	14600	49197	5439	249	745	55
Semnan	19326	468	8644	8638	1298	573	578	3905
Sistan & Baluchestan .	37901	294	2045	2715	631	55	230	24
Fars	155740	25402	107898	74484	4604	3574	3279	2216
Qazvin	38767	3882	12709	21399	2991	3862	3665	5153
Qom	5434	119	3289	1617	572	808	820	765
Kordestan	81096	288	42703	70198	1909	1103	1027	594
Kerman	135977	8681	16420	38278	2863	3552	274	105
Kermanshah	109398	267	76586	80500	7557	296	371	386
Kohgiluyeh & Boyerahmad	39370	918	7838	16832	681	95	39	23
Golestan	99325	6284	78295	77431	731	205	12	27173
Gilan	48149	201821	11218	107487	2564	64	1	1406
Lorestan	106528	764	57195	91571	14966	1501	776	676
Mazandaran	179573	148392	152179	98773	1768	1489	24	48670
Markazi	55670	358	20923	36170	13721	5482	3624	2073
Hormozgan	8174	119	1794	1262	15	27	40	22
Hamedan	88531	729	46504	56871	18590	8360	9523	9071
Yazd	37986	2103	4641	14324	5909	1608	142	19

4. 26. HOLDINGS USING AGRICULTURAL MACHINERY AND EQUIPMENT BY OSTAN, 1382 (continued)

Ostan	Chopper	Wheat and barley thresher	Rice thresher	Tractor plough	Disk	Furrower	Ditcher
Total country	***8054***	***1215846***	***275678***	***2047513***	***1072430***	***238762***	***322564***
East Azarbayejan	27	121419	664	153746	35460	1841	2331
West Azarbayejan	30	99473	63	130065	47943	6276	4338
Ardebil	15	42635	156	78941	22872	7397	14422
Esfahan	1761	69663	8776	116733	35015	21549	23821
Ilam	1	32261	1256	43691	6385	1099	4114
Bushehr	2	4465	0	13308	19521	666	2037
Tehran	2343	6258	3	20115	16760	9763	13820
Chaharmahal & Bakhtiyari.....	85	36210	2618	39322	12965	3875	6450
South Khorasan	2	18519	0	20158	7120	200	469
Khorasan-e-Razavi	730	153137	1521	221738	125580	28226	27406
North Khorasan	28	37334	174	55196	37031	15322	5047
Khuzestan	37	54488	3809	88420	70373	13809	36463
Zanjan	15	41345	1082	54326	13963	2877	1320
Semnan	70	9209	0	17846	13478	6889	6772
Sistan & Baluchestan	5	8622	86	32138	30300	541	9340
Fars	1531	39990	3473	139812	109597	64270	60279
Qazvin	847	20908	2779	35797	23032	10068	14723
Qom	18	3220	0	4894	4123	1285	2928
Kordestan	1	63115	0	75266	59169	1290	1151
Kerman	121	22664	0	84939	46839	7533	16134
Kermanshah	15	64954	220	106391	35985	7059	11094
Kohgiluyeh &Boyerahmad	3	32054	706	29966	2494	813	897
Golestan	116	8712	4328	91155	93053	911	25454
Gilan	3	11601	193828	17100	7594	21	23
Lorestan	21	82396	2396	103370	20173	5891	4870
Mazandaran	13	7880	47739	103346	115869	369	215
Markazi	148	42542	1	53295	16004	4976	6756
Hormozgan	1	85	0	5962	2875	1083	4798
Hamedan	51	56060	2	83482	29229	10401	11024
Yazd	14	24626	0	26994	11629	2464	4071

4. 26. HOLDINGS USING AGRICULTURAL MACHINERY AND EQUIPMENT BY OSTAN, 1382 (continued)

Ostan	Cultivator	Fertilizer	Tractor sprayer	Motorized sprayer	Knapsack sprayer	Water pump motor (diesel)	Electric motor
Total country	***419354***	***307238***	***732700***	***372761***	***631831***	***571002***	***497947***
East Azarbayejan	6614	2687	34686	22922	35922	55757	28327
West Azarbayejan	38759	11802	74515	8785	14203	53777	15356
Ardebil	3822	7960	14648	5145	7937	8737	1468
Esfahan	13339	6252	27153	17418	52984	29961	64459
Ilam	4571	5594	16196	2871	15969	2010	1530
Bushehr	277	5807	2875	1608	4297	6475	969
Tehran	4778	6597	13543	16298	16996	14685	15764
Chaharmahal & Bakhtiyari	2858	2536	7595	1937	4098	4698	7944
South Khorasan	11386	300	455	620	5635	1105	6839
Khorasan-e-Razavi	131120	15909	33326	29994	56214	40016	86615
North Khorasan	7820	2289	4080	4931	10037	3726	6584
Khuzestan.....	5765	46368	45476	5856	20052	28418	3686
Zanjan	1334	2070	8119	5511	9966	9161	8840
Semnan	3011	4307	4563	7227	9384	2178	9295
Sistan & Baluchestan	38	180	144	631	6094	13286	5028
Fars	16832	59656	79271	12310	40108	55713	39404
Qazvin	5135	7272	10440	3592	8938	14744	16603
Qom	1478	2122	1771	1165	1992	1129	1941
Kordestan	9189	7082	24107	3136	8733	4874	2488
Kerman	46423	4117	74152	6883	15838	31106	68577
Kermanshah	19654	22262	50840	10770	38388	10183	4238
Kohgiluyeh & Boyerahmad	110	212	2453	2163	3416	879	629
Golestan	1112	46869	42200	3739	44867	27882	5486
Gilan	13566	467	61	24844	73759	15460	7154
Lorestan	10484	12763	41501	2424	31179	7849	4879
Mazandaran	25056	4394	61594	142063	40872	76588	28480
Markazi	24516	5853	13085	5648	11842	13130	16122
Hormozgan	180	1356	1087	2456	4872	14534	1731
Hamedan	2440	9730	31093	8701	20128	19873	23194
Yazd	7686	2426	11671	11114	17112	3068	14320

Source: Statistical Centre of Iran.

4. 27. HOLDINGS WITH LIVESTOCK AND THE NUMBER OF THEIR LIVESTOCKS ON THE ENUMERATION DAY BY OSTAN (head)

Year and Ostan	Sheep		Goats		Cattle	
	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	(1)53800136	1156009	(1)25530649	1321531	7609358
1387	***1105727***	***49976138***	***1087932***	***22333547***	***1210741***	***7088984***
East Azarbayejan	73204	3271986	40144	664100	97459	510623
West Azarbayejan	46350	3787335	26818	476525	92493	607546
Ardebil	34443	2075865	22472	300064	50837	381547
Esfahan	31556	1843930	27094	725839	36799	247926
Ilam	15046	994060	16807	470868	16327	102673
Bushehr	9198	447728	22635	543498	8100	37454
Tehran	15501	1478102	10110	224891	12840	253253
Chaharmahal & Bakhtiyari	16973	773295	17198	417808	29375	110706
South Khorasan	48537	832675	56913	907880	20013	58775
Khorasan-e-Razavi	187193	7361108	152944	1604164	59566	293788
North Khorasan	25588	1318598	12845	251030	22267	116593
Khuzestan	41655	3624724	45289	2106619	85075	584361
Zanjan	30217	893728	24375	253368	36052	158664
Semnan	14592	1349272	10124	311119	8382	95485
Sistan & Baluchestan	55941	913257	114685	2024715	18241	109813
Fars	76777	3977541	113919	3822271	43826	298666
Qazvin	20196	816036	11142	136776	27693	198145
Qom	3784	235732	3032	116091	3999	138989
Kordestan	40933	1304863	30186	384610	48983	187905
Kerman	51075	1452856	83491	2019726	46593	218694
Kermanshah	31117	2021653	27390	427805	40266	200210
Kohgiluyeh & Boyerahmad	11596	442590	17933	734726	15131	63176
Golestan	34559	1677359	17580	283639	71274	349797
Gilan	10901	620955	5208	103727	105035	550766
Lorestan	33802	1680154	33305	784173	41618	194527
Mazandaran	29162	1219455	6591	112387	63107	476772
Markazi	31946	1422669	17826	194370	42119	226704
Hormozgan	17546	174738	71163	1252739	26960	96738
Hamedan	42300	1429799	22503	170790	31884	150660
Yazd	24040	534074	26210	507221	8428	68029

4. 27. HOLDINGS WITH LIVESTOCK AND THE NUMBER OF THEIR LIVESTOCKS ON THE ENUMERATION DAY BY OSTAN (head)

Year and Ostan	Buffaloes		Camels	
	Number of holdings	Number of livestock	Number of holdings	Number of livestock
1382	29141	159196	17104	139287
1384	31344	191438	24147	151932
1387	***000***	***000***	***000***	***000***
East Azarbayejan	000	000	000	000
West Azarbayejan	000	000	000	000
Ardebil	000	000	000	000
Esfahan	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 and goats) 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 Mehr when the number of small livestock was at its minimum (over the year), while the Survey was implemented in 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.

Source: Statistical Centre of Iran.

4. 28. HOLDINGS WITH LIVESTOCK MILKED,(1) AND MILK PRODUCTION BY TYPE OF 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***
East Azarbayejan	654613	68491	1381862	80827	32766	253584	22806
West Azarbayejan	440755	33906	1173248	74044	17783	166001	11808
Ardebil	229288	31468	816708	38613	20696	124689	13523
Esfahan	407992	4647	129621	4693	13574	141761	6777
Ilam	76989	4743	156968	8594	6186	86367	2704
Bushehr	11146	416	5802	373	1503	19967	1429
Tehran	341590	10393	476763	16007	8130	87768	4682
Chaharmahal & Bakhtiyari	147913	8105	177931	3996	11354	147086	6448
South Khorasan	68036	18782	180862	2948	40575	308637	7323
Khorasan-e-Razavi	570706	106365	2007346	45159	88593	412305	15543
North Khorasan	156874	20887	504260	12310	8327	51914	2022
Khuzestan	154784	3822	37658	1694	29053	505473	21698
Zanjan	142611	25186	369792	11676	21464	117052	6970
Semnan	155311	5391	274632	5426	3895	57765	1718
Sistan & Baluchestan	95220	21576	170242	5734	79689	542898	24776
Fars	402615	18239	534768	10023	45831	614389	16446
Qazvin	183718	4569	75548	4979	4715	26339	1730
Qom	109987	761	23249	1413	913	16003	1207
Kordestan	209961	27411	424287	17874	18028	128006	7482
Kerman	181147	24027	263210	8809	65620	618049	21541
Kermanshah	211991	23095	666936	28114	20939	167046	15742
Kohgiluyeh & Boyerahmad	53321	1505	30041	829	17383	347005	13361
Golestan	323214	6308	233225	4585	3829	46611	1376
Gilan	71463	7637	218973	7147	4456	42408	1126
Lorestan	295801	14512	393996	7612	26424	404417	19500
Mazandaran	406412	15260	317768	14208	3774	30034	1085
Markazi	184078	6084	179081	14730	8576	41163	2372
Hormozgan	32148	1775	15471	472	16548	143821	3751
Hamedan	175434	20058	305656	9889	19855	75277	4307
Yazd	184772	4617	27813	1227	21755	148244	8905

4. 28. HOLDINGS WITH LIVESTOCK MILKED, [1] AND MILK PRODUCTION BY TYPE OF 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***
East Azarbayejan	92484	219732	550979
West Azarbayejan	79553	201303	354904
Ardebil	46905	128949	177152
Esfahan	33650	99185	396522
Ilam	14914	38395	65691
Bushehr	6020	8162	9344
Tehran	11336	77595	320902
Chaharmahal & Bakhtiyari	25674	45128	137470
South Khorasan	16667	24240	57765
Khorasan-e-Razavi	55028	127485	510003
North Khorasan	19615	43133	142543
Khuzestan	59731	127172	131393
Zanjan	24808	52539	123965
Semnan	6793	29854	148167
Sistan & Baluchestan	13611	38939	64709
Fars	31341	95983	376146
Qazvin	22834	53788	177009
Qom	2931	24717	107366
Kordestan	47279	100404	184604
Kerman	38381	76804	150797
Kermanshah	36692	78970	168134
Kohgiluyeh & Boyerahmad	15039	26748	39131
Golestan	60620	127681	317253
Gilan	63929	109628	63190
Lorestan	38666	106525	268689
Mazandaran	54421	163396	391118
Markazi	35086	62323	166976
Hormozgan	17742	34702	27925
Hamedan	30900	63544	161238
Yazd	8230	33118	174641

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.

4. 29. HOLDINGS WITH GENERATING LIVESTOCK, THEIR NUMBER OF LIVESTOCK, PRODUCTION OF SHEEP WOOL, AND GOAT HAIR AND SOFT WOOL BY OSTAN

(head; ton)

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***
East Azarbayejan	72163	2325657	2979326	146	731	731
West Azarbayejan	44278	2581305	3638736	10895	33031	26310
Ardebil	33241	1538043	2125560	0	0	0
Esfahan	24650	1238991	925257	1455	5290	1756
Ilam	12196	628759	683709	5737	18652	6993
Bushehr	7840	310632	308990	722	2892	1648
Tehran	14708	1195323	1020756	251	570	237
Chaharmahal & Bakhtiyari	16414	589067	577002	2819	8579	5226
South Khorasan	44760	599576	478639	49844	157111	41237
Khorasan-e-Razavi	171319	5002503	5824709	9471	26504	14878
North Khorasan	23673	817796	960147	1438	5308	4157
Khuzestan	36242	2747870	3440795	747	1556	1274
Zanjan	28301	699597	407253	422	468	305
Semnan	11967	1181189	857101	633	2462	799
Sistan & Baluchestan	39991	456910	542033	54790	181190	72872
Fars	59793	2692477	2021580	7136	28364	7508
Qazvin	18692	515184	362093	1140	3757	1513
Qom	2817	167981	158884	479	2055	2054
Kordestan	40342	857636	627254	8087	29233	12017
Kerman	33234	783216	594206	37282	107628	50749
Kermanshah	29859	1376931	1940589	7470	22834	12289
Kohgiluyeh & Boyerahmad	9957	253674	194188	204	664	301
Golestan	31894	1272790	1925001	8699	26120	13932
Gilan	7476	390935	646411	1641	4381	4470
Lorestan	32688	1181563	1480627	18389	55228	33396
Mazandaran	27025	920819	1425495	4081	17368	13037
Markazi	28738	1113253	992847	39	156	78
Hormozgan	10731	91330	67262	7452	25495	10480
Hamedan	41746	837729	573405	0	0	0
Yazd	17486	433203	334211	3429	11554	4349

Source: Statistical Centre of Iran.

4. 30. HOLDINGS RAISING POULTRY VIA TRADITIONAL METHOD BY OSTAN, 1382

(1000 fowls)

Ostan	Number of holdings	Number of poultry	
		Chickens	Duck, goose and turkey
Total country	***2185600***	***24783***	***5916***
East Azarbayejan	131200	1247	165
West Azarbayejan	123108	1271	276
Ardebil	71525	1108	139
Esfahan	77674	783	21
Ilam	26902	360	42
Bushehr	26569	315	14
Tehran	19071	250	37
Chaharmahal & Bakhtiyari	35240	396	14
South Khorasan	25117	166	10
Khorasan-e-Razavi	174114	1264	97
North Khorasan	41266	295	38
Khuzestan	109374	1438	160
Zanjan	50301	440	54
Semnan	13193	153	10
Sistan & Baluchestan	83597	691	53
Fars	140887	1784	64
Qazvin	28436	224	28
Qom	7004	98	8
Kordestan	57133	457	64
Kerman	88475	937	21
Kermanshah	62710	688	104
Kohgiluyeh & Boyerahmad	38219	444	16
Golestan	70504	726	166
Gilan	219196	3714	1996
Lorestan	73425	992	199
Mazandaran	213605	2989	2001
Markazi	37855	299	23
Hormozgan	32688	214	5
Hamedan	69556	544	80
Yazd	37657	498	13

Source: Statistical Centre of Iran.

4. 31. NUMBER AND CAPACITY OF OPERATING MODERN CATTLE FARMS BY ACTIVITY

(head)

Year and activity	Number	Capacity [1]	
		Total	Breeders
1373	9879	916371	369674
1375	9042	962228	408253
1379	8559	982074	-
1383	14076	1637694	-
***1385 ..... ***	***14645***	***1895863***	**-**
Dairy cattle	10730	1324885	-
Beef cattle only	3915	570978	×

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.

4. 32. BROILER CHICKEN FARMS AND THEIR HALLS CAPACITY[1]

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***	***…***
East Azarbayejan	816	645	171	9082	…
West Azarbayejan	544	516	28	9960	…
Ardebil	251	234	17	3896	…
Esfahan	1746	1655	91	28804	…
Ilam	215	188	27	3348	…
Bushehr	103	103	0	2694	…
Tehran	531	445	86	12150	…
Chaharmahal & Bakhtiyari	153	144	9	2765	…
South Khorasan	722	631	91	8109	…
Khorasan-e-Razavi	1363	1123	240	15547	…
North Khorasan	63	60	3	1188	…
Khuzestan	682	569	113	11169	…
Zanjan	123	118	5	3581	…
Semnan	512	402	110	8689	…
Sistan & Baluchestan	125	100	25	3236	…
Fars	999	835	164	14604	…
Qazvin	467	445	22	9613	…
Qom	288	242	46	5782	…
Kordestan	424	379	45	6243	…
Kerman	674	624	50	5623	…
Kermanshah	785	696	89	6708	…
Kohgiluyeh & Boyerahmad	109	84	25	1718	…
Golestan	712	653	59	14031	…
Gilan	657	577	80	10886	…
Lorestan	425	378	47	6119	…
Mazandaran	1551	1509	42	25410	…
Markazi	638	511	127	10453	…
Hormozgan	187	164	23	3491	…
Hamedan	520	499	21	6321	…
Yazd	807	678	129	9022	…

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 Iran.

4. 33. NUMBER AND CAPACITY[1] OF LAYER CHICKEN AND PULLET FARMS

Year and Ostan	Number of farms	Number of poultry halls	Capacity (1000 fowls)
1370 [2]	881	3361	40491
1375 [2]	1023	3600	50495
1380	1406	4839	71282
1382	1414	5984	72707
1385	1432	5096	76046
1388	***1380***	***4271***	***69221***
East Azarbayejan	268	681	8242
West Azarbayejan	26	63	756
Ardebil	22	25	522
Esfahan	140	334	6940
Tehran	230	1115	19263
Chaharmahal & Bakhtiyari	6	8	156
South Khorasan	15	28	367
Khorasan-e-Razavi	226	564	7815
Khuzestan	6	38	317
Zanjan	16	46	815
Semnan	23	75	1135
Fars	28	130	3574
Qazvin	35	227	5259
Qom	113	367	4644
Kordestan	7	13	186
Kerman	17	46	853
Kermanshah	15	26	556
Golestan	14	104	1865
Lorestan	6	8	154
Mazandaran	21	29	619
Markazi	69	150	2495
Hamedan	34	79	1285
Yazd	33	89	801
Other Ostan	10	26	605

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. Excluding farms raising pullets.
Source: Statistical Centre of Iran.

4. 34. BREEDER CHICKEN FARMS, NUMBER AND CAPACITY[1] OF THEIR HALLS

Year and Ostan	Number of farms	Number of poultry halls	Capacity (1000 fowls)
1370	70	1192	7020
1375	170	1794	9938
1378	230	2564	12476
1380	274	2599	13869
1382	343	3336	16044
1385	***416***	***3846***	***18597***
East Azarbayejan	41	219	1268
West Azarbayejan	43	266	1353
Ardebil	12	87	420
Esfahan	18	173	1018
Tehran	42	624	3103
Khorasan-e-Razavi	16	184	776
Zanjan	12	156	664
Semnan	7	83	437
Fars	6	80	317
Qazvin	15	315	1882
Qom	3	28	159
Kordestan	5	40	190
Kerman	3	49	322
Kermanshah	4	46	261
Golestan	7	100	484
Gilan	35	283	1059
Lorestan	4	35	146
Mazandaran	105	759	3233
Markazi	14	116	594
Hamedan	16	98	390
Other Ostans[2]	8	105	523

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 Ilam, Chaharmahal & Bakhtiyari, South Khorasan, Khuzestan, Hormozgan and Yazd and the remaining Ostans not mentioned here have no activity in this field.

Source: Statistical Centre of Iran.

4. 35. HATCHERY UNITS BY TYPE OF ACTIVITY

Year and Ostan	Number of units	Production of one-day-old chicken					Other poultry
		Broiler chicken	Layer chicken	Broiler breeder chicken	Layer breeder chicken	Indigenous chicken	
1370	67	59	12	-	-	-	4
1375	94	76	17	-	-	-	5
1378	115	89	15	-	-	15	4
1380	127	98	12	5	2	17	3
1382	135	107	13	4	0	14	2
***1384 ..... ***	***160***	***129***	***10***	***8***	***4***	***14***	***5***
East Azarbayejan	8	4	0	0	0	1	3
West Azarbayejan	6	5	0	0	0	1	0
Ardebil	5	5	0	0	0	0	0
Esfahan	6	4	0	0	0	2	0
Tehran	31	26	5	1	1	0	0
Khorasan-e-Razavi	13	7	2	0	0	4	0
Semnan	3	3	0	0	0	0	0
Fars	6	5	0	0	0	1	0
Qazvin	7	4	1	2	1	0	0
Kerman	6	6	0	0	0	0	0
Kermanshah	3	3	0	0	0	0	0
Golestan	4	3	0	0	0	0	1
Gilan	14	11	2	4	2	1	1
Mazandaran	33	31	0	1	0	1	0
Markazi	3	3	0	0	0	0	0
Other Ostans[1]	12	9	0	0	0	3	0

1. Including South Khorasan, Khuzestan, Zanjan, Sistan and Baluchestan, Kordestan, Hormozgan, Hamedan, Yazd and Lorestan and the remaining Ostans not mentioned here have no activity in this field.

Source: Statistical Centre of Iran.

4. 36. NUMBER OF EMPLOYEES AT MODERN CATTLE AND CHICKEN FARMS

Description	Total	Unpaid	Wage and salary earners
Total cattle farms			
1372	36018	21042	14976
1374	29844	14823	15020
1378	32917	17893	15023
1382	41865	16664	25201
1385	55711	26529	29182
Dairy cattle farms			
1372	31101	17422	13679
1374	27135	13106	14030
1378	30419	16506	13914
1382	33215	12626	20589
1385	45021	19867	25153
Broiler chicken farms			
1375	46279	20530	25750
1378	40696	18835	21862
1379	39596	18405	21191
1382	52623	21458	31165
1388	-	-	-
Layer chicken and pullet farms			
1377	11103	1918	9185
1379	11148	1910	9238
1381	10593	1785	8808
1384	11191	1420	9771
1388	-	-	-
Breeder chicken farms			
1370	3475	41	3434
1374	4946	135	4811
1377	6357	283	6074
1379	6561	248	6313
1381	8655	432	8223
1384	9765	361	9404
Hatcheries			
1370	1119	37	1082
1374	1444	56	1388
1377	1741	63	1678
1379	2174	99	2075
1381	2486	143	2343
1384	3270	95	3175

Sources: Statistical Centre of Iran.

- Ministry of Jihad-e-Agriculture.

4. 37. COMPENSATION OF EMPLOYEES AT MODERN CATTLE AND CHICKEN FARMS

Description	Wage & salary	Other payments in cash or in kind
Total cattle farms		
1372	29713	5263
1374	50382	13753
1378	101863	30882
1382	359291	58851
1385	731079	97481
Dairy cattle farms		
1372	27506	4942
1374	47695	13323
1378	95815	29432
1382	304897	52986
1385	647729	89150
Broiler chicken farms		
1375	70209	17580
1378	112460	32385
1379	127416	32791
1382	360909	80808
1388	-	-
Layer chicken and pullet farms		
1377	47909	14562
1379	73064	20239
1381	105643	29473
1384	190215	40400
1388	-	-
Breeder chicken farms		
1370	4412	1233
1374	17039	5041
1377	37099	14377
1379	59709	18900
1381	119401	33516
1384	191061	45116
Hatcheries		
1370	1719	443
1374	5904	948
1377	10373	3757
1379	19484	4679
1381	33102	7937
1384	75435	14255

Sources: Statistical Centre of Iran.

- Ministry of Jihad-e-Agriculture.

4. 38. INVESTMENTS IN MODERN CATTLE FARMS BY TYPE OF CAPITAL PROPERTIES

(mln rials)

Capital properties	1372		1374	
	Total cattle farms	Dairy cattle farms	Total cattle farms	Dairy cattle farms
***Total	***54895***	***47559***	***61463***	***57929***
Machinery and power equipment, durable tools and office equipment	13243	12393	17235	16488
Vehicles	13781	12879	20971	20147
Buildings	27870	22287	22392	20430
Computer software	0	0	0	0
Other	0	0	865	864

Capital properties	1378		1382		1385	
	Total cattle farms	Dairy cattle farms	Total cattle farms	Dairy cattle farms	Total cattle farms	Dairy cattle farms
***Total	***98971***	***93793***	***847564***	***625811***	***830318***	***736228***
Machinery and power equipment, durable tools and office equipment	26778	25779	133722	115029	147407	140542
Vehicles	20551	20135	148287	116195	149012	124486
Buildings	49865	46318	553757	390438	512918	451843
Computer software	231	150	1679	1663	3212	3203
Other	1545	1411	10119	2486	17769	16153

Sources: Statistical Centre of Iran.

- Ministry of Jihad-e-Agriculture.

4. 39. INVESTMENTS IN MODERN CHICKEN FARMS BY TYPE OF CAPITAL PROPERTIES

(mln rials)

Description	Total	Manufacturing machinery and office durable equipment	Vehicles	Buildings[1] (excluding value of land)	Computer software	Other
Broiler chicken farms						
1375.....	99531	39853	8916	48419	-	2346
1378.....	141188	46058	5213	86430	125	3364
1379.....	195623	52307	19477	121902	346	1591
1382.....	388691	134238	45791	198178	1080	9405
1388.....	-	-	-	-	-	-
Layer chicken and pullet farms						
1377.....	97538	35176	11567	50795	-	-
1379.....	71157	29680	1560	37503	282	2132
1381.....	89030	36582	10280	38885	657	2625
1384.....	144704	56218	8730	76814	571	2370
1388.....	-	-	-	-	-	-
Breeder chicken farms						
1370.....	5093	1952	630	2071	-	440
1374.....	23856	8554	2898	11560	-	844
1377.....	67372	21177	7418	38777	-	-
1379.....	50695	17992	4422	25515	436	2329
1381.....	201336	52394	11008	130180	1570	6184
1384.....	110626	36448	6833	65104	767	1473
Hatcheries						
1370.....	6633	4949	367	1290	-	27
1374.....	10784	3563	824	6324	-	73
1377.....	12365	6652	1354	4359	-	-
1379.....	32208	17258	2434	12866	138	-487
1381.....	74243	43115	1362	29387	195	183
1384.....	28856	14080	1554	12381	719	122

1. Including residential and non-residential buildings.

Source: Statistical Centre of Iran.

4. 40. PRODUCTION OF RED MEAT AND MILK (1000 tons)

Year and Ostan	Red meat	Milk
1370	595	4035
1375	685	4705
1380	743	5748
1385	829	7741
1386	866	8312
1387	870	8772
1388	902	9552
1389	***934***	***10242***
East Azarbayejan	63	703
West Azarbayejan	55	495
Ardebil	37	359
Esfahan	48	964
Ilam	14	59
Bushehr	13	57
Tehran	37	1061
Chaharmahal & Bakhtiyari	25	240
South Khorasan	20	143
Khorasan-e-Razavi	62	769
North Khorasan	21	129
Khuzestan	46	403
Zanjan	15	143
Semnan	13	138
Sistan & Baluchestan	23	95
Fars	75	507
Qazvin	25	374
Qom	11	142
Kordestan	22	152
Kerman	41	318
Kermanshah	28	242
Kohgiluyeh & Boyerahmad	13	71
Golestan	27	437
Gilan	25	244
Lorestan	40	312
Mazandaran	51	629
Markazi	23	331
Hormozgan	14	72
Hamedan	33	455
Yazd	14	198

Sources: Centre for Rural Researches and Agricultural Economy;
- Ministry of Jihad-e-Agriculture.

4. 41. TOTAL NUMBER OF COWS AND CALVES IN OPERATING MODERN CATTLE FARMS BY THE RACE (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***
East Azarbayejan	32916	31070	1846	27247	26836	411
West Azarbayejan	19010	15904	3106	14710	13722	988
Ardebil	13898	13423	475	11383	11293	90
Esfahan	193532	193513	19	185142	185123	19
Ilam	3986	3986	0	1952	1952	0
Bushehr	9597	3891	5706	31	9	22
Tehran	342789	281213	61576	255967	249761	6206
Chaharmahal & Bakhtiyari	11229	11229	0	11167	11167	0
South Khorasan	5281	5266	15	5093	5078	15
Khorasan-e-Razavi.....	116667	116120	547	114389	114117	272
North Khorasan.....	3862	3081	781	2829	2356	473
Khuzestan.....	11179	10743	436	2587	2519	68
Zanjan	10792	10630	162	9192	9100	92
Semnan	51945	43625	8320	29273	29012	261
Sistan & Baluchestan	31242	28850	2392	18309	18301	8
Fars	52908	49956	2952	43726	43628	98
Qazvin	22726	22456	261	18307	18230	77
Qom	34593	33881	712	25006	24487	519
Kordestan	2077	2077	0	1924	1924	0
Kerman	23988	23959	29	23883	23854	29
Kermanshah	6700	6700	0	6150	6150	0
Kohgiluyeh & Boyerahmad	3845	3512	333	3134	3134	0
Golestan	18049	17722	327	17692	17473	219
Gilan	10265	7591	2674	7982	6466	1516
Lorestan	6333	5482	851	3254	3204	50
Mazandaran	19538	19190	348	18558	18210	348
Markazi	49363	35598	13765	10391	10391	0
Hormozgan	406	354	52	338	301	37
Hamedan	11702	11589	113	11497	11384	113
Yazd	38483	37965	518	36347	35829	518

Sources: Statistical Centre of Iran.

- Ministry of Jihad-e-Agriculture.

4. 42. QUANTITY AND VALUE OF MILK AND MANURE PRODUCED IN MODERN CATTLE FARMS

Year and Ostan	Milk		Manure			
			Total cattle farms		Dairy cattle farms	
	Quantity (1000 tons)	Value (mln rial)	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	(1)2602	124958	(1)2109	107210
1385	***2415***	***6624859***	***3233***	***197484***	***2680***	***169334***
East Azarbayejan	84	217179	86	9996	76	9593
West Azarbayejan	18	49009	33	1349	31	1250
Ardebil	38	112398	50	2758	43	2432
Esfahan	469	1360932	561	35882	544	34819
Ilam	3	8509	6	206	5	183
Bushehr	1	1934	8	448	//	6
Tehran	757	2036845	1002	54363	768	43001
Chaharmahal & Bakhtiyari	30	82650	37	1265	37	1262
South Khorasan	10	24667	13	1149	13	1116
Khorasan-e-Razavi	363	1028406	443	24238	432	23762
North Khorasan	7	20500	13	369	6	272
Khuzestan	6	16473	11	715	4	192
Zanjan	27	75258	32	2438	29	2232
Semnan	59	154088	89	6977	48	3866
Sistan & Baluchestan	30	68317	28	2532	16	1421
Fars	80	205917	228	13914	184	11382
Qazvin	65	189124	65	2275	54	1925
Qom	50	131310	56	3769	43	2763
Kordestan	6	16350	8	552	6	394
Kerman	47	124420	56	10136	56	10099
Kermanshah	13	39234	9	587	8	518
Kohgiluyeh & Boyerahmad	7	19851	5	455	4	431
Golestan	47	122181	85	3549	81	3345
Gilan	16	40157	25	1404	19	1153
Lorestan	7	17231	8	140	4	71
Mazandaran	38	86675	48	2246	46	2142
Markazi	27	74221	126	5028	32	1564
Hormozgan	1	1751	0	40	//	24
Hamedan	31	82413	27	1946	26	1899
Yazd	79	216856	75	6758	69	6216

1. Unit is 1000 tons.

Sources: Statistical Centre of Iran.
- Ministry of Jihad-e-Agriculture.

4. 43. NUMBER AND WEIGHT OF LIVESTOCK SLAUGHTERED AT AUTHORIZED SLAUGHTERHOUSES (1000 carcasses- 1000 tons)

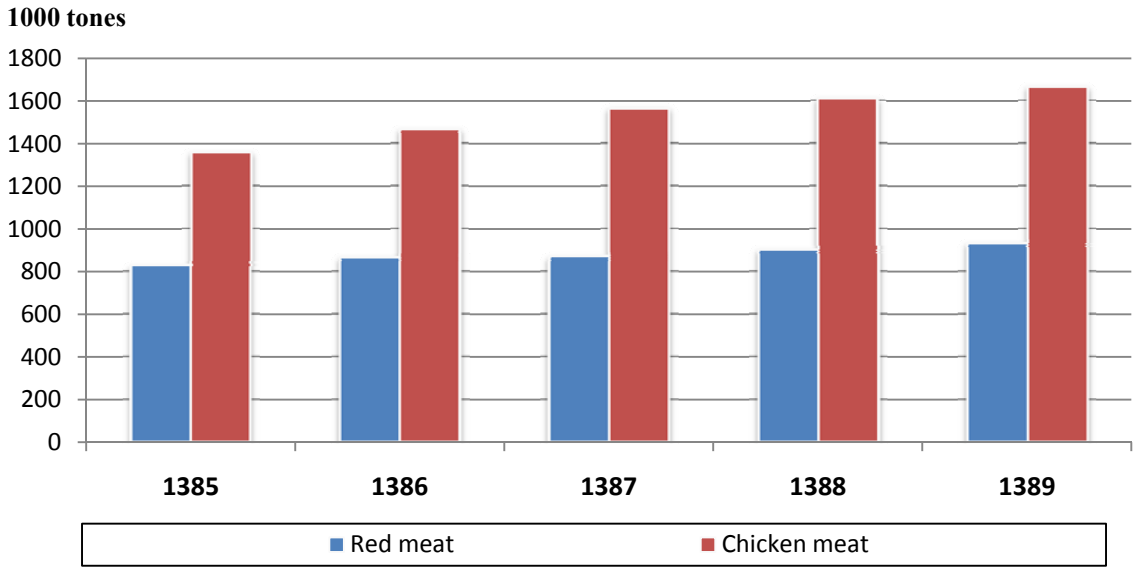
Year	Total		Sheep		Goats	
	Number	Weight	Number	Weight	Number	Weight
1370	11430	343	7891	154	2278	31
1375	11265	356	7946	149	2030	27
1380(1)	12769	419	8743	141	2264	29
1385(1)	14375	463	9870	166	2914	39
1386(1)	13209	429	9412	161	2425	34
1387(1)	14113	487	10038	170	2416	33
1388(1)	9867	403	6446	114	1913	27
1389(1)	***7917***	***346***	***4884***	***90***	***1749***	***25***

Year	Cattle		Buffaloes		Camels	
	Number	Weight	Number	Weight	Number	Weight
1370	1187	144	55	9	18	4
1375	1205	166	65	10	20	4
1380(1)	1645	228	50	8	67	13
1385(1)	1518	246	46	7	27	5
1386(1)	1306	223	36	6	30	6
1387(1)	1578	269	47	8	34	7
1388(1)	1432	247	31	5	45	10
1389(1)	***1235***	***222***	***20***	***3***	***29***	***6***

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

Source: Statistical Centre of Iran.

4. 4. PRODUCTION OF RED AND CHICKEN MEAT



For data see Tables 4. 40. and 4.

4. 44. PRODUCTION OF CHICKEN MEAT AND EGG (1000 tons)

Year and Ostan	Meat	Egg
1370	420	340
1375	676	486
1380	885	581
1385	1360	677
1386	1468	695
1387	1565	727
1388	1610	751
1389	***1666***	***767***
East Azarbayejan	72	77
West Azarbayejan	61	11
Ardebil	37	10
Esfahan	113	53
Ilam	25	1
Bushehr	18	1
Tehran	120	206
Chaharmahal & Bakhtiyari	23	3
South Khorasan	41	7
Khorasan-e-Razavi	109	73
North Khorasan	16	3
Khuzestan	63	6
Zanjan	32	10
Semnan	42	12
Sistan & Baluchestan	26	5
Fars	101	24
Qazvin	60	75
Qom	45	51
Kordestan	31	5
Kerman	41	14
Kermanshah	32	8
Kohgiluyeh & Boyerahmad	11	4
Golestan	84	20
Gilan	73	17
Lorestan	46	5
Mazandaran	148	14
Markazi	64	20
Hormozgan	23	1
Hamedan	63	18
Yazd	46	13

Sources: Centre for Rural Researches and Agricultural Economy;

- Ministry of Jihad-e-Agriculture.

4. 45. QUANTITY AND VALUE OF PRODUCTION AT BROILER CHICKEN FARMS

(ton; mln rials)

Year and Ostan	Full-grown		Cull [1]		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***
East Azarbayejan	45428	384925	732	3893	34740	3338
West Azarbayejan	54257	460405	581	3445	36018	3086
Ardebil	17542	150449	141	963	15408	781
Esfahan	162767	1350273	1026	4628	144348	16039
Ilam	16119	141099	174	709	16335	1137
Bushehr	13651	117296	492	2331	10294	1266
Tehran	72350	603693	863	3615	57640	5769
Chaharmahal & Bakhtiyari	18274	147656	233	1400	15423	1564
South Khorasan[2]	000	000	000	000	000	000
Khorasan-e-Razavi[2]	130133	1041240	1584	8346	102438	10932
North Khorasan[2]	000	000	000	000	000	000
Khuzestan	54585	495425	981	5748	46606	7568
Zanjan	21535	176573	19	113	18746	1439
Semnan	49162	382106	422	1921	33233	2493
Sistan & Baluchestan	5932	48777	140	793	4980	875
Fars	71497	599506	966	4275	56772	6608
Qazvin	54716	443043	551	2880	35728	3026
Qom	38217	323151	76	354	30316	2888
Kordestan	26795	235989	165	798	20111	1822
Kerman	27766	237529	244	1276	20665	4723
Kermanshah	27533	243142	451	2391	19860	2400
Kohgiluyeh & Boyerahmad	6011	50160	26	185	4296	402
Golestan	50099	400534	346	1654	40730	1798
Gilan	54930	438328	290	1653	48334	1383
Lorestan	25791	220523	133	505	16953	2032
Mazandaran	175601	1473969	916	5717	109142	3858
Markazi	56291	466076	812	4589	39089	3626
Hormozgan	13617	121809	58	258	10025	2216
Hamedan	34688	295533	205	1126	26951	3179
Yazd	45729	359914	655	2988	34422	5257

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

2. Data for South Khorasan and North Khorasan are included with Khorasan-e- Razavi.

Source: Statistical Centre of Iran.

4. 46. QUANTITY AND VALUE OF PRODUCTION AT LAYER CHICKEN AND PULLET FARMS

(ton; mln rials)

Year and Ostan	Edible eggs		Broken & shell-less eggs		Sold pullets (fowl)	
	Quantity	Value	Quantity	Value	Quantity	Value
1374	411131	755630	4627	4456	0	0
1377	434715	1300114	5742	8558	6407453	58237
1379	506192	1682290	7909	13539	5461511	51379
1381	571017	2455505	10947	23843	5438031	72584
1384	***576478***	***3021222***	***10712***	***27670***	***7476525***	***127098***
East Azarbayejan	70140	339008	1161	2626	1677492	27219
West Azarbayejan	4025	19830	98	308	53800	474
Ardebil	4432	23518	51	151	0	0
Esfahan	57650	320561	952	2716	191526	2958
Ilam	977	5451	16	32	91150	1404
Tehran	159506	838807	4050	10186	2339880	40247
Chaharmahal & Bakhtiyari	1097	5945	18	37	0	0
South Khorasan	2605	14863	38	70	0	0
Khorasan-e-Razavi	57232	304049	557	1413	725531	13524
North Khorasan	298	1171	3	7	0	0
Khuzestan	883	5485	9	19	0	0
Zanjan	6873	40719	198	494	0	0
Semnan	5544	25212	641	753	226513	4530
Sistan & Baluchestan	3111	21913	15	30	0	0
Fars	19343	100164	283	1039	292062	4066
Qazvin	33905	173151	733	1997	657135	12629
Qom	50955	248406	863	1913	294061	4353
Kordestan	4489	23794	40	94	0	0
Kerman	10253	63995	128	572	29259	366
Kermanshah	5402	25868	65	148	0	0
Kohgiluyeh & Boyerahmad	1075	5566	22	44	0	0
Golestan	18241	103387	61	133	57000	1289
Gilan	320	1693	1	2	0	0
Lorestan	1098	4828	15	34	0	0
Mazandaran	11727	79830	172	837	142350	2592
Markazi	21119	99807	135	304	182806	2150
Hamedan	15924	76517	80	194	384835	6789
Yazd	8253	47684	308	1518	131125	2509
Other Ostans	0	0	0	0	0	0

4. 46. QUANTITY AND VALUE OF PRODUCTION AT LAYER CHICKEN AND PULLET FARMS (continued)

(ton; mln rials)

Year and Ostan	Cull[1]		Manure	
	Quantity	Value	Quantity	Value
1374	16114	24356	419134	14105
1377	19872	48159	471310	24444
1379	22017	70598	479965	33749
1381	18213	71058	538009	40905
1384	***23301***	***91212***	***498321***	***45873***
East Azarbayejan	3874	14057	62567	3617
West Azarbayejan	57	421	4610	281
Ardebil	192	645	3071	113
Esfahan	2569	9556	41783	3982
Ilam	95	452	1050	111
Tehran	6903	24486	174910	13894
Chaharmahal & Bakhtiyari	41	174	1281	163
South Khorasan	34	138	2025	199
Khorasan-e-Razavi	2373	11337	52783	5760
North Khorasan	64	259	280	23
Khuzestan	106	517	538	225
Zanjan	325	1314	4174	449
Semnan	56	112	2653	211
Sistan & Baluchestan	123	616	900	90
Fars	841	3440	17540	1806
Qazvin	756	3159	28183	2673
Qom	1315	4461	35908	4467
Kordestan	157	821	2421	114
Kerman	392	2406	7958	1907
Kermanshah	252	869	3749	251
Kohgiluyeh & Boyerahmad	1	3	448	45
Golestan	666	2865	7236	642
Gilan	58	348	330	13
Lorestan	66	146	716	56
Mazandaran	196	1121	6578	247
Markazi	542	1481	12499	1360
Hamedan	983	4709	11361	781
Yazd	261	1298	10771	2392
Other Ostans	0	0	0	0

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.

4. 47. QUANTITY AND VALUE OF PRODUCTION AT BREEDER CHICKEN FARMS

(ton; mln rials)

Year and Ostan	Fertile eggs					
	Broiler breed		Layer breed		Indigenous breed	
	Number (1000)	Value	Number (1000)	Value	Number (1000)	Value
1370	306754	55501	56313	6739	0	0
1374	525492	260126	60760	25786	1440	507
1377	780617	615390	107120	70817	9558	5048
1379	718032	813225	55933	39696	7850	5695
1381	875372	1300481	62323	95140	7480	8376
1384	***1430866***	***2879558***	***67210***	***145777***	***10096***	***8974***
East Azarbayejan	77333	110144	2900	7250	0	0
West Azarbayejan	105660	203043	0	0	422	845
Ardebil	34733	75796	0	0	0	0
Esfahan	20987	34632	0	0	2428	2358
Tehran	162168	275533	9906	17098	0	0
Khorasan-e-Razavi	49785	122314	13236	33673	6366	5067
Zanjan	36102	66367	0	0	402	241
Semnan	13083	27783	0	0	0	0
Fars	3869	6916	8100	10271	272	272
Qazvin	71597	174580	18905	43482	0	0
Qom	3000	6000	10500	28875	0	0
Kordestan	13710	25451	0	0	0	0
Kerman	26375	73432	0	0	0	0
Kermanshah	19261	42375	0	0	0	0
Golestan	43578	73988	0	0	0	0
Gilan	118134	170998	3663	5128	50	35
Lorestan	12193	22477	0	0	0	0
Mazandaran	503561	1128110	0	0	0	0
Markazi	35277	71225	0	0	0	0
Hamedan	36736	71650	0	0	0	0
Other Ostans[(2)]	43723	96745	0	0	156	155

4. 47. QUANTITY AND VALUE OF PRODUCTION AT BREEDER CHICKEN FARMS

(continued) **(ton; mln rials)**

Year and Ostan	Edible eggs		Wastes		Cull[1]		Manure	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1370	82123	23839	186	67	6653	4341	63498	948
1374	6476	10053	1011	999	6312	14409	82878	3567
1377	11930	33143	1355	2147	10798	38008	116675	6011
1379	14419	47335	2173	2406	11445	55470	105723	9220
1381	12869	52521	2108	4355	19046	113182	139828	11831
1384	***11176***	***55830***	***3562***	***9674***	***14502***	***99942***	***144964***	***13853***
East Azarbayejan	447	2330	568	1199	1589	12039	11345	1221
West Azarbayejan	703	2423	277	539	807	6399	11177	1353
Ardebil	296	1586	21	26	393	2812	4723	451
Esfahan	336	1338	21	54	457	2571	5222	711
Tehran	1049	5055	677	1973	1644	11552	19574	2459
Khorasan-e-Razavi	667	3600	186	703	743	5324	7483	910
Zanjan	518	2420	119	309	688	3966	4882	619
Semnan	55	244	3	8	76	610	2080	233
Fars	492	2766	17	50	354	1704	2463	338
Qazvin	1313	7726	814	2602	1001	5383	10517	1073
Qom	84	390	1	3	100	900	1209	153
Kordestan	55	248	36	73	300	2101	1366	209
Kerman	322	1013	30	105	593	4280	2807	319
Kermanshah	0	0	12	23	167	999	1130	109
Golestan	183	1074	29	90	516	3333	3389	207
Gilan	390	2033	98	122	1483	9898	10853	437
Lorestan	182	875	11	23	107	861	929	129
Mazandaran	2383	13894	487	1455	2404	16965	28856	1158
Markazi	562	2796	33	71	195	1095	3652	407
Hamedan	232	1128	6	20	671	5546	4119	588
Other Ostans[2]	907	2891	118	225	215	1603	7188	770

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

2. Including Ilam, Chaharmahal & Bakhtiyari, South Khorasan, Khuzestan, Hormozgan and Yazd and the remaining Ostans not mentioned here have no activity in this field.

Source: Statistical Centre of Iran.

4. 48. HOLDINGS RAISING HONEYBEES, NUMBER OF HIVES AND HONEY (WITH WAX) PRODUCTION BY OSTAN, 1382

(kg)

Ostan	Number of holdings	Modern hives		Old hives	
		Number	Honey with wax	Number	Honey with wax
Total country	***75181***	***1397670***	***13772225***	***296359***	***1329821***
East Azarbayejan	12943	170028	1542422	147216	584803
West Azarbayejan	5506	133842	1845694	56239	382865
Ardebil	2852	60241	876183	5350	30260
Esfahan	2606	186803	1262667	2154	9012
Ilam	842	27550	109944	397	1243
Bushehr	151	6576	76522	12	59
Tehran	1135	50267	494800	988	7825
Chaharmahal & Bakhtiyari	1349	51572	495531	627	2559
South Khorasan	70	1364	8220	⦸	⦸
Khorasan-e-Razavi	1396	24234	196717	1300	9061
North Khorasan	681	17083	120760	788	3728
Khuzestan	778	14898	131756	653	4997
Zanjan	3781	43811	453013	4629	20152
Semnan	316	10784	104345	30	147
Sistan & Baluchestan	34	403	4988	0	0
Fars	5082	81137	698232	4545	25482
Qazvin	1257	17212	144716	1022	5185
Qom	150	1875	11662	257	1631
Kordestan	8083	23125	153275	35960	99266
Kerman	1211	26272	274014	1244	7449
Kermanshah	3165	34873	306306	10359	19432
Kohgiluyeh & Boyerahmad	2346	32288	274948	1684	11143
Golestan	2943	35638	207399	2340	7320
Gilan	4056	83813	1653693	3687	23623
Lorestan	2084	42059	363285	4817	20197
Mazandaran	4092	96487	972508	3907	25853
Markazi	2064	28562	226307	1742	4732
Hormozgan	22	1270	18278	151	842
Hamedan	3326	71225	626870	4020	20293
Yazd	863	22382	117171	234	642

Source: Statistical Centre of Iran.

4. 49. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY MINISTRY OF COOPERATIVES AT THE END OF THE YEAR

Description	Number	Members	Employed	Capital (mln rial)
Registered cooperative				
1370	2604	37148	21171	93626
1375	5839	80029	43539	492792
1380	13929	218982	108749	992771
1385	25730	345771	190503	1392819
1386	29078	378018	215881	1554746
1387	30843	404379	229091	1673355
1388	32593	422984	245600	1831517
1389	***34906***	***459204***	***265847***	***3755954***
Cooperatives under establishment				
1370	33	221	103	185
1375	136	1388	790	5295
1380	965	35531	9504	51407
1385	4613	72303	37474	140032
1386	6414	90336	51124	198813
1387	7500	101645	59088	226519
1388	8540	113098	70129	366506
1389	***4299***	***64363***	***32671***	***750722***
Cooperatives in operation				
1370	1460	23614	17178	88826
1375	3218	47787	31602	446559
1380	8006	118595	69787	804515
1385	14119	190318	109659	1063415
1386	15309	201815	118999	1157945
1387	15916	216392	123710	1237226
1388	16603	223298	129038	1261231
1389	***16459***	***204021***	***134859***	***2554851***
East Azarbayejan	384	4656	3520	37843
West Azarbayejan	256	2778	2650	60754
Ardebil	297	2545	1620	21159
Esfahan	436	6127	4120	112861

4. 49. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY MINISTRY OF COOPERATIVES AT THE END OF THE YEAR (continued)

Description	Number	Members	Employed	Capital (mln rial)
Ilam	568	7591	4547	26451
Bushehr	267	2479	2061	11146
Tehran	776	13649	13873	69469
Chaharmahal & Bakhtiyari	387	4050	3493	15923
South Khorasan	185	3468	1423	6094
Khorasan-e-Razavi	1041	23740	7070	73863
North Khorasan	291	2180	1257	7004
Khuzestan	714	6077	7681	36910
Zanjan	757	7422	6353	246675
Semnan	308	4534	2069	26381
Sistan & Baluchestan	250	1878	2237	9271
Fars	541	10315	2920	43919
Qazvin	168	1522	1557	962073
Qom	158	4014	1094	25706
Kordestan	167	2849	1025	22225
Kerman	1109	11537	7246	100351
Kermanshah	694	11742	9470	30281
Kohgiluyeh & Boyerahmad	431	4236	3834	9042
Golestan	2463	21834	10703	63793
Gilan	416	6978	5896	61837
Lorestan	506	5618	3982	143879
Mazandaran	1218	15247	12082	65767
Markazi	348	3189	1379	71672
Hormozgan	705	5825	5047	12503
Hamedan	197	1956	2126	39412
Yazd	421	3985	2524	140587

Source: Ministry of Cooperatives.

4. 50. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY CENTRAL ORGANIZATION OF RURAL COOPERATIVES BY ACTIVITY AT THE END OF THE YEAR

Year and activity	Number of co-ops	Member	Capital (mln rial)
1370	1192	603621	1885
1375	1507	869405	85350
1380	1827	970609	221822
1385	2008	1010551	404366
1386	2140	1027564	489035
1387	2123	1015412	609885
1388	2203	1001633	624284
1389	***2106***	***1076760***	***727858***
Chicken farming	280	22412	312801
Animal husbandry	568	581255	256416
Cultivation of wheat	141	59033	16439
Horticulture	105	153179	40512
Apiculture	166	51348	15189
Combine management	23	2425	1693
Range management	7	672	59074
Mechanization	69	10299	4086
Others	747	196137	21648

Source: Central Organization of Rural Cooperatives.

4. 51. GENERAL CHARACTERISTICS OF AGRICULTURAL COOPERATIVES COVERED BY CENTRAL ORGANIZATION OF RURAL COOPERATIVES BY OSTAN AT THE END OF THE YEAR, 1389

Ostan	Number of co-ops	Members
Total country	***2106***	***1076760***
East Azarbayejan	150	104266
West Azarbayejan	92	41390
Ardebil	41	15682
Esfahan	126	100713
Ilam	36	2835
Bushehr	15	-
Tehran	87	21326
Chaharmahal & Bakhtiyari	29	4657
South Khorasan	60	30311
Khorasan-e-Razavi	158	124693
North Khorasan	23	11820
Khuzestan	49	17228
Zanjan	26	6064
Semnan	31	13411
Sistan & Baluchestan	78	9703
Fars	96	75533
Qazvin	65	19306
Qom	17	17514
Kordestan	49	12132
Kerman	357	18281
Kermanshah	80	32559
Kohgiluyeh & Boyerahmad	25	4246
Golestan	46	30868
Gilan	95	120121
Lorestan	22	18342
Mazandaran	80	93711
Markazi	46	28535
Hormozgan	37	9568
Hamedan	44	69275
Yazd	46	22670

Source: Central Organization of Rural Cooperatives.

4. 52. AREA OF FORESTS, RANGES AND DESERTS BY OSTAN, 1388 (ha)

Ostan	Forests	Ranges				Deserts [1]
		Total	Good	Fair	Poor	
Total country	***14319063***	***84814991***	***7181250***	***21419151***	***56214590***	***32576492***
East Azarbayejan	143467	2473441	703729	1359707	410005	112370
West Azarbayejan	100958	2472508	553792	1063376	855340	181103
Ardebil	51665	903896	427906	457642	18349	1337
Esfahan	411847	6328655	280070	403988	5644597	2985827
Ilam	634461	1112357	27835	479788	604735	33923
Bushehr	204306	1262995	8777	409208	845010	331682
Tehran	26315	1286467	407498	474522	404447	156186
Chaharmahal & Bakhtiyari	335654	908152	182315	390823	335013	118893
South Khorasan	712033	6288092	6184	632226	5649682	1129364
Khorasan-e-Razavi	667341	6558356	304530	2147046	4106780	593620
North Khorasan	424740	1555206	112615	627244	815348	43279
Khuzestan	938326	2477691	571073	1353096	553522	521341
Zanjan	61113	1137060	240442	425301	471317	79931
Semnan	340168	3731083	210807	585093	2935183	5112294
Sistan & Baluchestan	370786	10648499	217096	908129	9523274	4804956
Fars	2218925	7319987	57706	1735276	5527005	669725
Qazvin	26871	853485	252550	430122	170813	29151
Qom	4149	723019	2498	34830	685691	176383
Kordestan	372307	1294397	437855	494212	362330	3354
Kerman	591823	8186300	81323	2214046	5890931	7860548
Kermanshah	528507	1188438	164352	476166	547920	25916
Kohgiluyeh & Boyerahmad	795786	478812	63966	144418	270428	40427
Golestan	415221	862825	381317	401887	79621	26
Gilan	545576	244986	98843	131684	14459	1779
Lorestan	1226367	883505	146857	672209	64439	11741
Mazandaran	1006518	584711	357671	205068	21973	1086
Markazi	1548	1772951	465804	1140366	166781	73143
Hormozgan	1053745	4093342	712	210907	3881724	1515013
Hamedan	1441	665767	323505	283977	58285	26372
Yazd	107096	6518007	91623	1126795	5299589	5935725

1. Including different desert phenomena like: salt desert, sand dunes, sand seas, smooth clay surfaces, salt lands, lands with no vegetation and exposed bedrock outcrops.

Source: Forests, Range and Watershed Management Organization.

4. 53. AREA OF AFFORESTATION AND SAPLING PRODUCTION[(1)] (ha; 1000 sapling)

Year and Ostan	Afforestation			Sapling production
	Total	State-owned	Private	
1370	120253	36368	83885	110000
1375	39521	16090	23432	73766
1380	110692	53912	56780	141317
1385	51167	39871	11296	46876
1386	46735	34588	12148	51889
1387	36476	27591	8885	43435
1388	25400	14045	10455	31896
1389	***29507***	***18378***	***11129***	***40443***
East Azarbayejan	1711	481	1230	600
West Azarbayejan	134	134	0	720
Ardebil	142	94	48	183
Esfahan	1370	585	785	630
Ilam	600	600	0	2310
Bushehr	1825	1700	125	521
Tehran	287	287	0	197
Chaharmahal & Bakhtiyari	555	492	63	500
South Khorasan	329	329	0	599
Khorasan-e-Razavi	251	251	0	850
North Khorasan	53	53	0	50
Khuzestan	3623	3045	578	1578
Zanjan	93	93	0	192
Semnan	177	17	160	805
Sistan & Baluchestan	773	740	33	895
Fars	770	770	0	585
Qazvin	68	14	54	172
Qom	12	0	12	523
Kordestan	435	435	0	2720
Kerman	1997	1960	37	616
Kermanshah	687	687	0	1150
Kohgiluyeh & Boyerahmad	480	480	0	165
Golestan	2307	910	1397	5430
Gilan	1743	398	1345	6500
Lorestan	881	169	712	1190
Mazandaran	4664	418	4246	8190
Markazi	506	206	300	1137
Hormozgan	1184	1180	4	445
Hamedan	1015	1015	0	400
Yazd	835	835	0	590

1. In the Forth 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.

Source: Forests, Range and Watershed Management Organization.

4. 54. CASES AND AREAS UNDER CONFLAGRATION IN FORESTS AND RANGES

Year	Conflagration (case)			Area under conflagration (ha)		
	Total	Forests	Ranges	Total	Forests	Ranges
1370	69	67	2	291	289	2
1375	1181	439	742	27478	5829	21649
1380	801	369	432	7744	3184	4560
1385	1237	611	626	11132	2752	8380
1386	1845	686	1159	27989	7126	20863
1387[1]	1136	645	491	4914	2275	2639
1388	1037	434	603	5753	1582	4171
1389	***3762***	***1413***	***2349***	***40772***	***9696***	***31076***

1- Reasons for decrease in conflagration statistics:

- Readiness of forest guards.

- Presence of more forest guards in natural resources areas.

- Organizing forest and voluntary people guards.

- Coordination with related government agencies.

- Management and timely use of equipment.

Source: Forests, Range and Watershed Management Organization.

4. 55. VOLUME OF WOOD PRODUCTS[1] IN NORTHERN FOREST AREAS UNDER MANAGEMENT OF GENERAL DEPARTMENTS OF NATURAL RESOURCES

(1000 cu m)

Year	Log	Sawn wood and sleepers	Poles, pit props and pulpwood	Fuel wood	Charcoal (1000 tons)
1370	320	172.7	237.2	718.8	36.6
1375	371.1	144.2	244.2	656.3	26.0
1380	327.8	87.1	244.7	504.4	6.1
1385	285.4	49.7	208.9	294.9	1.0
1386	320.3	53.4	231.4	309.6	0.8
1387	321.3	49.8	250.9	310.6	0.9
1388	275.9	21.4	256.3	278.3	0.9
1389	***263.7***	***32.1***	***235.9***	***248.9***	***0.6***

1. Including 5% defect and sawn wood amount for 1382 through 1386 and 10% for other years. This production in 1387 excludes defect and sawn wood amount.

Source: Forests, Range and Watershed Management Organization.

4. 56. ACTIVITIES CARRIED OUT ON RANGE MANAGEMENT, BALANCE OF LIVESTOCK AND RANGE MANAGMENT, AND IMPROVEMENT AND REHABILITATION OF RANGELANDS

Activity	Units	1370	1375	1380	1384	1385	1386	1387	1388
Range management and balance of livestock and range management(1)									
Cadastral survey, delineation and control of grazing permits	1000ha	5105	4251	2666	3954	3993	2661	3585	2210
Preparation of range management plans	1000ha	1388	3409	1009	1625	1531	1364	1141	307
Range and livestock grazing management	1000ha	0	0	11059	62666	59728	60897	63941	36896
Improvement and rehabilitation of rangelands									
Improvement and rehabilitation of rangelands project(2)	1000ha	0	0	0	105	136	×	×	0
Rehabilitation and restoration of rangelands									
Transplanting seedlings	1000ha	41	8	17	3	4	6	3	1
Direct seeding and hoeing	1000ha	211	32	61	46	49	47	29	22
Fertilizer spreading on rangelands	1000ha	176	21	17	18	29	22	19	12
Water harvesting	1000ha	134	80	59	33	42	30	25	22
Providing water troughs	set	1570	1275	1581	1382	2105	1596	1701	1026
Drilling shallow wells	case	237	158	173	128	90	172	107	67
Installation of wind pumps	set	12	2	11	14	18	24	18	40
Seed production	ton	701	671	468	427	390	3699	325	1465
Restoration of pastures on degraded marginal lands	1000ha	107	18	11	8	12	9	9	5

1. National plan of "Range management and Balance of Livestock and Range" was renamed "Sustainable Management of National Rangelands" and the name of some projects of which changed accordingly, too.

2. Since 1384 the plan "Improvement and Reformation of Range lands" has been provincialized and its projects have been conducted in the form of "Improvement and Rehabilitation of Rangelands".

Source: Forests, Range and Watershed Management Organization.

4. 57. COMBATING DESERTIFICATION AND DUNE STABILIZATION ACTIVITIES

Year and Ostan	Nursery (ha)	Plastic bag seedling (1000)	Plantation (ha)	Seeding (ha)
1370	182	6259	148492	372959
1375	59	3470	43471	131975
1380	25	4290	34556	59610
1385	32	7349	31056	27724
1386	35	4128	25380	22173
1387	33	2327	12710	6311
1388	21.5	2914.8	9856	5662
1389[(1)]	***12***	***2544.7***	***11461.6***	***5080***
West Azarbayejan	0	0	25	0
Esfahan	0	0	1546	1855
Ilam	0	0	275	0
Bushehr	0	0	200	0
Tehran	0	122	463.6	0
South Khorasan	0	16	752	525
Khorasan-e-Razavi	6.5	547.5	1040	2600
North Khorasan	0	50	190	40
Khuzestan	2	86.2	3216	30
Semnan	1.5	55	770	30
Sistan & Baluchestan	0	370	85	0
Fars	0	0	243	0
Qazvin	0	22	88	0
Qom	0	516	172	0
Kerman	2	340	788	0
Markazi	0	295	1050	0
Hormozgan	0	75	240	0
Yazd	0	50	318	0

4. 57. COMBATING DESERTIFICATION AND DUNE STABILIZATION ACTIVITIES (continued)

Year and Ostan	seed gathering (ton)	Mulching (ha)	Windbreak (km)	Windbreak (living)	Preservation (ha)	Preparation of projects for combating desertification (1000ha)
1370.....	3081	6059	42	0	0	0
1375.....	917	2812	29	0	596801	841
1380.....	489	1650	468	0	703937	289
1385.....	230	4452	42	1087	816831	254
1386.....	206	2580	59	431	802345	125000
1387.....	92	450	33	150	656331	163550
1388	48	300	54	1496	799926	97000
1389*[(1)]*.....	***51.9***	***603***	***19***	***908***	***675223***	***35000***
West Azarbayejan.....	0	0	0	30	15000	0
Esfahan	0	0	0	0	340000	0
Ilam.....	0	0	0	32	0	10000
Bushehr	0	0	0	30	0	0
Tehran	0	0	0	0	47294	5000
South Khorasan.....	14	0	0	50	16875	0
Khorasan-e-Razavi.....	17.4	0	0	50	0	0
North Khorasan.....	1.5	0	0	42	21000	0
Khuzestan	0	603	0	0	50420	0
Semnan	18	0	4	8	9000	0
Sistan & Baluchestan.....	1	0	0	0	40000	15000
Fars	0	0	0	0	1240	0
Qazvin.....	0	0	0	200	1600	0
Qom.....	0	0	0	83	5500	0
Kerman	0	0	0	321	0	0
Markazi	0	0	0	0	28131	0
Hormozgan	0	0	15	62	0	0
Yazd	0	0	0	0	99163	5000

1. Ostans not mentioned have no activities in this field.

Source: Forests, Range and Watershed Management Organization.

4. 58. WATERSHED MANAGEMENT ACTIVITIES [1] (ha)

Title	1375	1380	1385	1386	1387	1388	1389
Total	***816188***	***1360133***	***1685580***	***1043367***	***1453138***	***1313266***	***1196431***
nations watershed catchments lacking dams	×	×	35000	44475	57336	128308	80128
Watershed management in existing dams catchments	51762	54156	179329	134739	140392	75445	128837
Watershed management in Dorudzan dam catchments	3610	×	×	×	×	0	0
Watershed management in catchments of dams under construction	23036	66071	56829	45107	64289	59462	93758
Watershed management in Karkheh dam catchments	7500	8229	34918	6489	9852	12761	23200
Watershed management in Sefidrud dam catchments	×	24085	134399	30157	21696	32377	19868
Watershed management in Arak catchments.	×	×	×	4557	8201	5682	16356
study and operation of Watershed management in the Grate Karun catchments	×	×	×	20050	26548	21302	18829
Watershed management in Golestan catchments	×	×	59752	34165	49756	49546	26702
Watershed management in Hablehrud catchments	×	5442	0	0	0	0	0
Watershed management in border rivers catchments	×	4966	25465	14848	15450	10794	2623
Land use improvements in watershed areas	12180	50449	104004	25405	247726	53610	88225
Flood control	27073	58454	155952	133013	191858	121366	72518
Watershed management in municipal catchments areas	17830	32774	10363	22633	21254	18229	25320
Watershed management in other catchments of Ostans	×	20951	2259	411	1781	176	0
Projects under Note 76 of the second development plan law[2]	24937	×	×	×	×	0	0
Paragraph T of the Article 17	×	×	6437	16512	0	0	0
Soil conservation and watershed management project (provincial) and Note 37	253186	430233	496297	334418	479089	277515	203354
Notes & other issues	395074	604323	384576	176388	117910	446693	396713

1. Excluding 441245, 441245, 2301316, 1802261, 1679605, 1174800, 2644935 and 1758815 hectares under executive projects for the years 1375, 1380 and 1382 to 1388 respectively.

2. The projects in the Article No. 106 of the Third National Development Plan was renamed "Paragraph T of Article 17" in the Fourth Development Plan; and include the share of public sector only.

Source: Forests, Range and Watershed Management Organization.

4. 59. PRODUCTION OF VARIOUS AQUATICS BY SPECIES (ton)

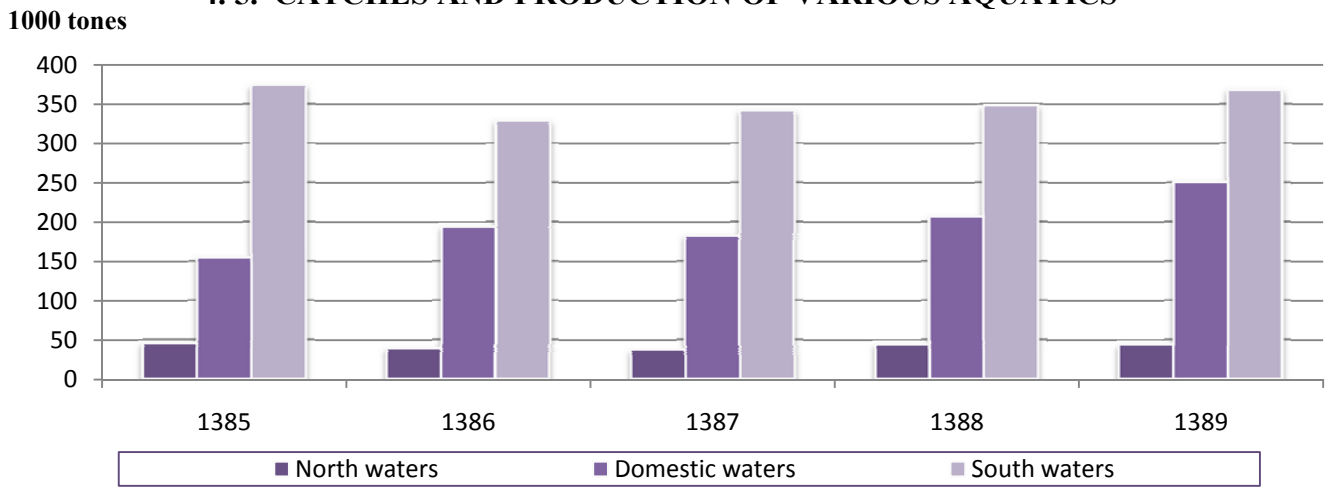
Year	Total	Catches in the Caspian Sea			
		Total	Kilka	Bony fish	Sturgeon
1370	327727	34596	13817	18571	2208
1375	400020	74100	57000	15500	1600
1380	399000	62550	45180	16500	870
1385	575560	46435	22303	23802	330
1386	562422	39174	15411	23538	225
1387	562594	36967	16743	20046	178
1388	599754	44279	25483	18665	131
1389	***663684***	***43805***	***27110***	***16602***	***93***

Year	Catches in south waters					Production of fish in inland waters			
	Total	Small pelagics	Large pelagics	Demersals	Sea shrimps	Total	Fish farms	Shrimp farms	Natural and semi-natural resources
1370	248000	15000	62000	164000	7000	45131	20228	0	24903
1375	260920	10000	82320	162721	5879	65000	29816	163	35021
1380	262805	30805	115000	110060	6940	73645	40230	7630	25785
1385	374447	26311	225374	116811	5951	154678	(1)123738	5970	(1)24970
1386	329571	30164	176926	115031	7450	193677	(1)156023	2507	(1)34888
1387	341980	40981	163790	128522	8687	183647	150378	4372	28897
1388	348122	36325	176541	126487	8769	207353	174435	5128	27790
1389	***368505***	***33637***	***187610***	***139655***	***7603***	***251374***	***213676***	***6359***	***31339***

1. As of 1382, catches from improved reservoirs are included with production of fish farms.

Source: Fisheries of Iran.

4. 5. CATCHES AND PRODUCTION OF VARIOUS AQUATICS



For data see Table 4. 59.

4. 60. PRODUCTION OF CAVIAR AND MEAT FROM STURGEON FISHES (ton)

Year	Caviar				Meat			
	Total	Beluga	Asetra	Sevruga	Total	Beluga	Asetra	Sevruga
1370	283	6	112	165	1789	202	815	772
1375	195	7	96	92	1295	165	669	461
1380 (1)	88	3	64	21	870	95	620	155
1385(1)	31	5	24	3	330	74	223	33
1386(1).....	19	3	15	1	225	53	157	16
1387(1)	14	3	10	1	178	52	111	15
1388.....	9	2	7	1	131	34	87	10
1389.....	***7.3***	***2.3***	***4.7***	***0.3***	***93***	***32***	***57***	***4***

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

Source: Fisheries of Iran.

4. 61. PRODUCTION OF VARIOUS FISH FRIES BY SPECIES (1000)

Year	Total	Kutum	Sturgeon	Carps	Salmon	Trout	Bream	Perch	Other
1370	209693	109843	6608	84208	155	4974	2275	1630	0
1375	325175	142092	12456	130371	424	28940	8478	2414	0
1380	481271	232018	19970	90478	363	94333	15538	7412	21159
1385	(1)687881	174300	13800	(1)144650	(1)611	(1)315500	19300	(1)12890	(1)6830
1386	1268601	262458	12555	135331	464	804692	20498	16010	16594
1387	573930	187145	15390	110940	430	197000	21965	15670	25390
1388.....	828739	400040	5091	120888	480	199618	22090	15734	64798
1389.....	***817094***	***297204***	***3934***	***146257***	***353***	***262630***	***19731***	***14225***	***72760***

1. Revised figures

Source: Fisheries of Iran.

4. 62. FISHING VESSELS AT THE END OF THE YEAR BY TYPE (vessel)

Year and Ostan	Total	Boat	Launch	Ship
1370	7602	4899	2581	122
1375	10158	7265	2807	86
1380	11007	7696	3238	73
1385	12120	8670	3403	47
1386	12006	8827	3134	45
1387	12142	8950	3148	44
1388	12016	8822	3147	47
1389	***11893***	***8682***	***3160***	***51***
Bushehr	2262	1702	540	20
Khuzestan	2012	1420	592	0
Sistan & Baluchestan	2386	1425	960	1
Golestan	267	267	0	0
Gilan	323	294	29	0
Mazandaran	310	266	44	0
Hormozgan	4333	3308	995	30

Source: Fisheries of Iran.

4. 63. FISHERMEN MEMBERS OF COOPERATIVES AT THE END OF THE YEAR BY OSTAN

(person)

Ostan	1370	1375	1380	1385	1386	1387	1388	1389
Total	***28920***	***34043***	***41588***	***38668***	***39392***	***37174***	***36999***	***37444***
Bushehr	9680	11647	8664	9017	10072	8758	8758	8701
Khuzestan	2415	4703	8971	4850	4830	4270	4270	4374
Sistan & Baluchestan	1334	2011	2390	2767	3358	3508	3508	3181
Golestan	(1)0	(1)0	1402	1537	1537	1537	1539	1684
Gilan	5507	4600	7356	6476	6467	6329	6259	5961
Mazandaran	(1)5876	(1)5264	4968	4176	4116	4055	3966	4198
Hormozgan	4108	5818	7837	9845	9012	8717	8699	9345

1. Statistics for Golestan are included with Mazandaran for the years 1370 and 1375.

Source: Fisheries of Iran.

4. 64. OUTPUT, INTERMEDIATE CONSUMPTION AND VALUE ADDED OF AGRICULTURE, HUNTING AND FORESTRY" AND "FISHERIES" ACTIVITIES AT FACTOR COST

(bln rials)

Description	1370	1375	1380	1384	1385	1386	1387	1388
(At current prices)								
Output	***11069***	***57533***	***131427***	***272397***	***335706***	***418400***	***481509***	***577741***
Farming & horticulture	6785	35129	78460	167652	209705	258713	277396	328061
Animal husbandry, chicken farming, raising of silkworm and honeybees and hunting	4141	21453	51122	101093	121695	154977	198713	243871
Forestry	143	951	1845	3651	4306	4710	5400	5810
Fishing	335	1472	3478	6061	7289	8595	10783	13376
Intermediate consumption	***3852***	***20153***	***51120***	***103764***	***130203***	***161620***	***199256***	***235163***
Farming & horticulture	1683	9690	21954	47665	60943	73807	85958	98451
Animal husbandry, chicken farming, raising of silkworm and honeybees and hunting	2133	10265	28757	55034	67989	86561	111664	135031
Forestry	36	198	409	1065	1271	1253	1633	1680
Fishing	98	480	1397	2279	2697	3207	4057	4993
Value added	***7217***	***37381***	***80307***	***168632***	***205503***	***256780***	***282254***	***342578***
Farming & horticulture	5102	25440	56505	119988	148763	184906	191438	229610
Animal husbandry, chicken farming, raising of silkworm and honeybees and hunting	2008	11188	22365	46059	53706	68417	87049	108839
Forestry	107	753	1436	2586	3034	3457	3767	4129
Fishing	237	992	2081	3782	4592	5388	6726	8384
(At 1376 constant prices)								
Value added	***33900***	***41911***	***44463***	***56457***	***57025***	***58663***	***51623***	***59315***
Farming & horticulture	22815	29953	29332	40670	40526	42207	32258	38500
Animal husbandry, chicken farming, raising of silkworm and honeybees and hunting	10665	11126	14053	14935	15587	15675	18717	20183
Forestry	420	833	1078	852	912	781	647	632
Fishing	1449	1297	1242	1905	2172	2090	2064	2044

Source: Statistical Centre of Iran.