



INTERNATIONAL
ENGINEERING,
SCIENCE AND
EDUCATION
GROUP

Middle East Journal of Science

(2017) 3(2): 147 - 158

Published online December 25, 2017 (<http://dergipark.gov.tr/mejs>)

doi: 10.23884/mejs.2017.3.2.09

ISSN: 2536-5312

Received: October 25, 2017 Accepted: December 12, 2017

CURRENT SITUATION OF DIYARBAKIR PROVINCE IN TERMS OF CROP PRODUCTION

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Abstract: *This study was carried out to determine current situation in terms of crop production in the province of Diyarbakir. This study, sowing-planting areas and production-yield values of field and horticultural crops were revealed. Total crop production of the province is 5 984 430 decares. Field crop production is practiced in 90.3% of the land used for crop production and horticultural production in 7.0% of it, while the remainder 2.7% is left to fallow. Diyarbakir is the granary of the region. Wheat from cereals, lentil from legumes, cotton from industrial plants, and corn silage from forage crops are grown the most in Diyarbakir. Watermelon and tomato are the most widely grown vegetable and plum and mulberry are the most widely grown fruit in the province. Diyarbakir also has a significant potential for viticulture.*

Keywords: *Crop production, Field crops, Horticulture, Diyarbakir*

1.Introduction

Diyarbakir province, which has a long history with its historical texture, is among the most important cities of Turkey. Diyarbakir, a very old settlement dating from Byzantine and Roman times, is a city that has been under Turkish domination for centuries after the Turks settled in Anatolia.

The province of Diyarbakir is located in the north-west of Mesopotamia, also known as Al-Jazeera, in the middle of the Southeastern Anatolia Region. Diyarbakir is surrounded by Batman and Muş in the east; Mardin in the south; Şanlıurfa, Adiyaman and Malatya in the west; Bingöl and Elazığ in the north.

50% of agricultural enterprises in Diyarbakir province are made have only crop production, 45% crop and animal production and 5% only animal production [1]. As is the case throughout Turkey,

agricultural enterprises in Diyarbakır province are becoming smaller as population growth increases and the growing population is employed in non-agricultural areas, due to the inadequate development of agriculture and the division of arable land through inheritance.

In the province of Diyarbakır, field farming is generally carried out and some of the land is fallow land because of the lack of irrigated farming areas. With irrigated agriculture to be carried out together with the start of the GAP Project including the province of Diyarbakır, it is planned that both the fallow fields will remove and the second crop production will be start and therefore the production will be increased. With the families in the villages, a large part of the population living in the provincial and district centers is directly or indirectly interested in agriculture and animal husbandry.

The purpose of this study is to reveal the current situation of Diyarbakır province, which deals with agriculture and animal husbandry, in terms of crop production.

2. General Characteristics of Diyarbakır Province

Diyarbakır Province is located between 37° 30 'and 38° 43' north latitudes, 40° 37 'and 41° 20' east longitudes in Southeastern Anatolia Region. The surface area is 15 355 km². The city center is 670 m above sea level. 45% of the lands belonging to the province of Diyarbakır are arable land. 95% of the lands are suitable for agriculture. It is known that 37% of the province of Diyarbakır is covered by mountains and the share of plains is around 31% [1].

The province of Diyarbakır has a hard terrestrial and subtropical highland climate. The summer months are generally arid because the climate is hard and rainfall is low. When we look at the climate data of Diyarbakır for long years (1970-2011); it is seen that the annual average temperature is 15.8 °C. The highest temperature was 44.8 °C in 28 August 1998 and the lowest temperature was -23.4 °C in 30 December 2006. Looking at the long-term data, it is seen that the average annual precipitation amount is 474.9 mm. The rains are mostly seen in winter and spring, and the summer months are usually arid. Snow falls in December, January, February and very little in November and March. The falling snow stays in place 1-6 days [1].

The data for the last five years of Diyarbakır province crop production areas are given in Table 2.1.

Table 2.1. Crop production areas in Diyarbakır province [2]

	2011	2012	2013	2014	2015	ORT	%
TOTAL AREA	5.991.103	5.708.380	6.015.174	6.147.045	6.060.447	5.984.430	100
FIELD CROPS	5.339.176	5.167.288	5.469.928	5.553.326	5.484.753	5.402.894	90.3
FALLOW FIELDS	215.370	121.650	120.766	183.519	165.959	161.453	2.7
VEGETABLES	160.640	167.414	169.481	154.741	154.512	161.358	2.7
FRUITS	275.917	252.028	254.999	255.459	255.223	258.725	4.3

The Diyarbakır province has not seen much change in the agricultural areas of the last five years. The province has an agricultural area of 5 984 430 decares of a total surface area of 15 355 000 decares. It is seen that this corresponds to only 38.97% of the total area available. It is observed that the production areas, which were 39.01% in 2011, increased up to 39.47% in 2015 (Table 2.1).

According to the five-year average in Diyarbakır province, 90.3% of the total agricultural land is cultivated field crops and 7.0% is cultivating horticultures. The rest of the area is to have been fallow land. When we look at the total production area in our country; 89.8% of the cultivated areas are field crops, 10.2% are vineyard and horticultural agriculture [3] given that it is done it is seen that Diyarbakır province is behind in terms of horticulture, but it is far ahead in terms of field crops.

3. Field Crops

3.1. Cereals

The cultivated area (da), production amounts (ton) and yields (kg da⁻¹) for the last five years of cereals in Diyarbakır province are given in Table 3.1.

According to the average of the last five years of cereals growing in Diyarbakır province, it is seen that most wheat cultivation is done as in many cities in our country and this ratio is 83.2% in cereals. Wheat was followed by barley with 12.0% and grain corn with 4.2% (Table 3.1).

Table 3.1. Data related to cultivation of cereals in Diyarbakır province [2]

		2011	2012	2013	2014	2015	ORT	%
WHEAT (DURUM)	Cultivated Area (da)	1.454.763	1.486.226	1.595.995	1.118.580	906.958	1.312.504	29.4
	Production (ton)	428.749	433.436	548.863	316.051	277.504	400.921	
	Yields (kg da ⁻¹)	295	292	344	283	308	304	
WHEAT (OTHER)	Cultivated Area (da)	2.173.079	1.993.324	2.134.461	2.757.567	2.960.183	2.403.723	53.8
	Production (ton)	685.240	608.746	699.823	760.558	915.292	733.932	
	Yields (kg da ⁻¹)	315	305	328	276	309	307	
BARLEY (OTHER)	Cultivated Area (da)	566.255	554.045	514.000	520.103	533.309	537.542	12.0
	Production (ton)	172.198	197.959	182.115	162.342	174.388	177.800	
	Yields (kg da ⁻¹)	304	357	354	312	327	331	
CORN (GRAIN)	Cultivated Area (da)	112.914	133.451	193.887	199.707	294.289	186.850	4.2
	Production (ton)	89.933	113.098	208.363	229.201	328.019	193.723	
	Yields (kg da ⁻¹)	796	847	1.075	1.148	1.115	996	
RICE	Cultivated Area (da)	20.136	18.750	19.687	21.341	17.476	19.478	0.4
	Production (ton)	10.544	8.297	9.450	10.548	8.514	9.471	
	Yields (kg da ⁻¹)	524	443	480	494	487	486	
MILLET	Cultivated Area (da)	10.850	12.372	10.940	9.980	9.925	10.813	0.2
	Production (ton)	1.820	1.653	1.630	1.491	1.488	1.616	
	Yields (kg da ⁻¹)	168	135	149	149	150	150	
RYE	Cultivated Area (da)	140	-	47	20	20	45	0.001
	Production (ton)	14	-	8	4	4	6	
	Yields (kg da ⁻¹)	100	-	170	200	200	134	
Total cultivated area (da)							4.470.956	100.0

According to the data of the last five years; it is seen that the production amount of wheat is 1 134 853 tons and yield 306.0 kg da⁻¹, the production amount of barley is 177 800 tons, the yield is 331.0 kg da⁻¹, the production amount of corn is 193 723 tons and the yield is 996.0 kg da⁻¹ from the most grown cereals.

3.2. Food Legumes

The cultivated area (da), production amounts (ton) and yields (kg da⁻¹) for the last five years of legumes in Diyarbakır province are given in Table 3.2.

When we look at the average of Diyarbakır province's past five years legumes cultivated, it is seen that the most lentil cultivation is done and this ratio is 87.8% in legumes. Lentil is followed by chickpea with 11.9% and haricot beans with 0.3% (Table 3.2).

According to the data of the last five years; it is seen that the production amount of lentil is 86 766 tons and the yield is 202.0 kg da⁻¹, the production amount of chickpea is 9 664 tons, the yield is 166.0 kg da⁻¹ and the production amount of haricot bean is 405 tons and the yield is 275.0 kg da⁻¹ from the most grown legumes.

		2011	2012	2013	2014	2015	ORT	%
CHICKPEA	Cultivated Area (da)	61.940	57.675	60.431	54.701	57.001	58.350	11.9
	Production (ton)	10.092	9.227	9.832	9.057	10.110	9.664	
	Yields (kg da ⁻¹)	163	160	163	166	177	166	
BEAN (HARICOT)	Cultivated Area (da)	2.000	1.450	1.512	1.380	1.130	1.494	0.3
	Production (ton)	466	406	428	395	331	405	
	Yields (kg da ⁻¹)	233	280	283	286	293	275	
LENTIL (RED)	Cultivated Area (da)	424.650	432.955	465.749	435.651	390.593	429.920	87.8
	Production (ton)	77.296	92.952	82.762	98.076	82.742	86.766	
	Yields (kg da ⁻¹)	182	215	178	225	212	202	
Total cultivated area (da)							489.764	100.0

3.3. Industrial Crops

The cultivated area (da), production amounts (ton) and yields (kg da⁻¹) for the last five years of industrial crops in Diyarbakır province are given in Table 3.3.

		2011	2012	2013	2014	2015	ORT	%
COTTON (COTTON UNSEED)	Cultivated Area (da)	451.228	405.940	418.240	396.869	308.999	396.255	32.6
	Production (ton)	195.413	175.091	197.835	191.729	141.289	180.271	
	Yields (kg da ⁻¹)	433	431	473	483	457	455	
COTTON (FIBER)	Cultivated Area (da)	451.228	405.940	418.240	396.869	308.999	396.255	32.6
	Production (ton)	72.303	64.784	77.097	69.022	50.866	66.814	
	Yields (kg da ⁻¹)	160	160	184	174	165	169	
COTTON (COTTON SEED)	Cultivated Area (da)	451.228	405.940	418.240	396.869	308.999	396.255	32.6
	Production (ton)	115.684	103.655	113.206	113.503	83.641	105.938	
	Yields (kg da ⁻¹)	256	255	271	286	271	268	

SOYBEAN	Cultivated Area (da)	300	825	1.233	1.348	1.148	971	0.1
	Production (ton)	90	269	324	477	385	309	
	Yields (kg da ⁻¹)	300	326	263	354	335	316	
SUNFLOWER (OIL)	Cultivated Area (da)	28.173	28.411	30.765	13.592	12.102	22.609	1.9
	Production (ton)	2.405	3.737	4.592	1.539	1.289	2.712	
	Yields (kg da ⁻¹)	85	132	149	113	110	118	
UNPROCESSED TOBACCO	Cultivated Area (da)	274	2.152	780	859	1.119	1.037	0.1
	Production (ton)	55	290	60	124	181	142	
	Yields (kg da ⁻¹)	201	135	77	144	162	144	
SUGAR BEET	Cultivated Area (da)	55	600	300	-	340	324	0.03
	Production (ton)	356	2.880	1.513	-	2.310	1.765	
	Yields (kg da ⁻¹)	6.473	4.800	5.043	-	6.794	5.778	
Total cultivated area (da)							1.213.706	100.0

When we look at the average of the industrial crops cultivation of the last five years of Diyarbakir province, it is seen that the most cotton (cotton unseed, cotton fiber and cotton seed) is produced and this ratio is 97.8% in industrial crops. The cotton is followed by sunflower with 1.9%, soybean and unprocessed tobacco with 0.1% and sugar beet with 0.03% (Table 3.3).

According to the data of the last five years; the production amount of cotton is 353 023 tons, the yield is 455.0 kg da⁻¹ in cotton unseed, 169 kg da⁻¹ in cotton fiber and 268 kg da⁻¹ in cotton seed, the production amount of sunflower is 2 712 tons and the yield is 118.0 kg da⁻¹, the production amount of soybeans is 309 tons, the yield 316 kg da⁻¹, the production amount of unprocessed tobacco 142 tons, the yield 44 kg da⁻¹ and the sugar beet production 1 765 tons and the yield of 5 778 kg da⁻¹ from the most grown industrial crops.

3.4. Forage Crops

The cultivated area (da), production amounts (ton) and yields (kg da⁻¹) for the last five years of forage crops in Diyarbakir province are given in Table 3.4.

		2011	2012	2013	2014	2015	ORT	%
VETCH (COMMON, HUNGARIAN) (GRAIN)	Cultivated Area (da)	15.471	18.308	11.030	6.330	6.950	11.618	16.7
	Production (ton)	1.425	1.400	1.026	656	670	1.035	
	Yields (kg da ⁻¹)	92	77	93	182	191	127	
BITTER VETCH (GRAIN)	Cultivated Area (da)	8.000	8.872	6.755	6.940	7.050	7.523	10.8
	Production (ton)	875	805	664	683	709	747	
	Yields (kg da ⁻¹)	109	92	99	98	101	100	
GRASSPEA (GRAIN)	Cultivated Area (da)	2.000	2.414	1.500	1.550	1.300	1.753	2.5
	Production (ton)	200	179	143	147	117	157	
	Yields (kg da ⁻¹)	100	75	95	95	90	91	
VETCH (GREEN HERBAGE)	Cultivated Area (da)	18.191	21.878	17.230	14.475	14.085	17.172	24.7
	Production (ton)	12.956	16.284	12.798	7.698	8.224	11.592	
	Yields (kg da ⁻¹)	730	751	746	688	593	702	

BITTER VETCH (GREEN HERBAGE)	Cultivated Area (da)	1.320	1.395	1.120	1.070	995	1.180	1.7
	Production (ton)	1.056	937	760	805	741	860	
	Yields (kg da ⁻¹)	800	678	679	752	745	731	
ALFALFA (GREEN HERBAGE)	Cultivated Area (da)	5.035	5.537	4.445	4.562	4.410	4.798	6.9
	Production (ton)	7.046	6.814	6.219	4.937	4.998	6.003	
	Yields (kg da ⁻¹)	1.399	1.243	1.401	1.082	1.133	1.252	
SAINFOIN (GREEN HERBAGE)	Cultivated Area (da)	750	966	500	800	750	753	1.1
	Production (ton)	600	560	300	440	413	463	
	Yields (kg da ⁻¹)	800	585	600	550	551	617	
CORN (SILAGE)	Cultivated Area (da)	22.977	25.177	24.696	29.099	21.325	24.655	35.5
	Production (ton)	60.800	74.196	72.852	115.304	85.823	81.795	
	Yields (kg da ⁻¹)	2.720	2.947	2.950	3.962	4.025	3.321	
Total cultivated area (da)							69.452	100.0

It is seen that the most vetch (as herbage and grain) is produced in Diyarbakır province according to the averages of the last five years and this ratio is 41.4% in forage crops. Vetch is followed by silage corn with 35.5%, bitter vetch (with herbage and grain) with 12.5%, alfalfa with 6.9%, grasspea with 2.5% and sainfoin with 1.1% (Table 3.4).

According to the data of the last five years; the production amount of vetch is 1 035 tons for grain and 11 592 tons for herbage, the yield is 127.0 kg da⁻¹ for grain and 702.0 kg da⁻¹ for herbage, the production amount of silage corn is 81 795 tons and the yield is 3 321 kg da⁻¹, the production amount of bitter vetch is 747 tons for grain and 860 tons for herbage, the yield is 100 kg da⁻¹ for grain and 731 kg da⁻¹ for herbage, the production amount of alfalfa is 6 003 tons, yield is 1 252 kg da⁻¹, the production amount of grasspea for grain is 157 tons, the yield is 91 kg da⁻¹ and the production amount of the sainfoin is 463 tons and the yield is 617 kg da⁻¹ from the most grown forage crops.

4. Horticulture

4.1. Vegetables

The cultivated area (da) and production amounts (ton) for the last five years of vegetables in Diyarbakır province are given in Table 4.1.

		2011	2012	2013	2014	2015	ORT	%
CABBAGE (WHITE)	Cultivated Area (da)	26	20	16	10	10	16	0.01
	Production (ton)	56	43	39	25	25	38	
LETTUCE (CURLY)	Cultivated Area (da)	11	11	11	11	11	11	0.01
	Production (ton)	7	7	7	7	7	7	
LETTUCE (HEAD)	Cultivated Area (da)	163	159	164	134	135	151	0.1
	Production (ton)	192	183	188	147	149	172	
SPINACH	Cultivated Area (da)	60	60	60	40	40	52	0.03
	Production (ton)	72	72	72	60	60	67	
PURSLANE	Cultivated Area (da)	160	150	150	120	120	140	0.1

	Production (ton)	80	75	75	72	72	75	
PARSLEY	Cultivated Area (da)	307	315	317	222	222	277	0.2
	Production (ton)	248	317	308	213	226	262	
ARUGULA	Cultivated Area (da)	60	65	65	65	65	64	0.04
	Production (ton)	30	33	32	33	33	32	
CRESS	Cultivated Area (da)	110	115	110	95	95	105	0.1
	Production (ton)	27	29	28	29	29	28	
PEPPERMINT	Cultivated Area (da)	82	94	100	102	103	96	0.1
	Production (ton)	37	41	41	45	45	42	
ONION (FRESH)	Cultivated Area (da)	1.720	1.827	1.693	1.824	1.819	1.777	1.1
	Production (ton)	1.746	1.849	1.707	1.819	1.816	1.787	
ONION (DRIED)	Cultivated Area (da)	4.919	6.174	5.679	5.267	5.322	5.472	3.4
	Production (ton)	6.899	7.290	7.176	6.840	7.087	7.058	
GARLIC (FRESH)	Cultivated Area (da)	611	635	535	595	545	584	0.4
	Production (ton)	356	344	289	309	331	326	
GARLIC (DRIED)	Cultivated Area (da)	1.127	1.303	1.111	1.036	1.147	1.145	0.7
	Production (ton)	709	709	717	787	851	755	
LEEK	Cultivated Area (da)	30	20	20	15	15	20	0.0
	Production (ton)	45	30	30	23	23	30	
RADISH (RED)	Cultivated Area (da)	33	40	238	240	240	158	0.1
	Production (ton)	56	73	770	775	775	490	
CARROT	Cultivated Area (da)	-	-	200	200	200	120	0.1
	Production (ton)	-	-	1.100	1.100	1.100	660	
TOMATO (TABLE)	Cultivated Area (da)	21.870	22.383	22.465	22.840	22.508	22.413	13.8
	Production (ton)	68.307	67.670	69.678	71.802	69.070	69.305	
TOMATO (SAUCEBOAT)	Cultivated Area (da)	14.035	14.630	14.645	15.153	15.058	14.704	9.1
	Production (ton)	34.964	35.379	35.954	38.438	37.826	36.512	
CUCUMBER (TABLE)	Cultivated Area (da)	10.510	10.785	11.629	11.725	12.465	11.423	7.0
	Production (ton)	26.634	27.356	30.789	31.547	33.256	29.916	
CUCUMBER (GHERKIN)	Cultivated Area (da)	506	558	506	556	555	536	0.3
	Production (ton)	888	981	912	994	991	953	
CUCUMBER (ACUR)	Cultivated Area (da)	1.246	1.225	1.065	680	580	959	0.6
	Production (ton)	2.158	1.854	1.559	793	599	1.393	
PEPPER (SAUCEBOAT)	Cultivated Area (da)	4.065	4.100	3.840	3.150	3.150	3.661	2.3
	Production (ton)	5.982	5.940	5.621	4.682	4.749	5.395	
PEPPER (GREEN)	Cultivated Area (da)	6.108	6.211	6.848	7.078	6.767	6.602	4.1
	Production (ton)	8.917	8.915	10.303	10.923	10.596	9.931	
PEPPER (POINTED)	Cultivated Area (da)	6.618	6.698	6.999	7.370	7.346	7.006	4.3
	Production (ton)	8.844	8.631	9.076	10.036	10.084	9.334	
OKRA	Cultivated Area (da)	87	95	117	115	115	106	0.1

	Production (ton)	40	43	50	52	52	47	
EGGPLANT	Cultivated Area (da)	7.701	7.763	8.024	8.640	8.630	8.152	5.0
	Production (ton)	18.637	18.390	18.959	20.104	20.256	19.269	
PUMPKIN (MALLOW)	Cultivated Area (da)	199	202	230	222	220	215	0.1
	Production (ton)	313	305	318	324	326	317	
PUMPKIN (SQUASH)	Cultivated Area (da)	10	10	8	-	-	6	0.0
	Production (ton)	9	9	6	-	-	5	
BEANS (FRESH)	Cultivated Area (da)	2.217	2.222	2.301	1.983	1.983	2.141	1.3
	Production (ton)	1.518	1.505	1.554	1.424	1.425	1.485	
KIDNEY BEANS (FRESH)	Cultivated Area (da)	21	20	20	20	20	20	0.01
	Production (ton)	13	12	12	12	12	12	
MELON	Cultivated Area (da)	26.872	27.771	27.051	21.301	19.381	24.475	15.1
	Production (ton)	67.181	69.320	68.193	54.953	50.589	62.047	
WATERMELON	Cultivated Area (da)	51.356	52.349	53.580	45.495	45.695	49.695	30.6
	Production (ton)	187.139	191.098	196.190	172.893	174.462	184.356	
Total cultivated area (da)							162.303	100.0

It is seen that the most watermelon cultivation was done in Diyarbakır province according to the average of the last five years and this ratio is 30.6% in vegetables. The watermelon is followed by tomato with 22.9%, melon with 15.1%, pepper with 10.7%, cucumber with 7.3%, eggplant with 5.0%, fresh and dry onion with 4.5% and fresh bean with 1.3%. Vegetables cultivation such as cabbage, lettuce, spinach, purslane, parsley, arugula, cress, peppermint, pumpkin (marrow and squash), garlic, kidney bean, leek, radish, carrot, acur, okra is very low (Table 4.1).

According to the data of the last five years; the average cultivated area of watermelon is 49 495 da, the production amount is 184 356 tons, the cultivated area is 22 413 da for table tomato, 14 704 da for sauceboat tomato and the production amount is 69 305 tons and 36 512 tons respectively, the cultivated area is 24 475 da for melon and the average production amount is 62 047 tons, the cultivated areas of sauceboat, green and pointed pepper are 3 661, 6 602 and 7 006 da respectively and the production amounts are 5 395, 9 931 and 9 334 tons respectively, the cultivated area is 11 423 da for table cucumber and 536 da for cucumber (gherkin) and the production amount is 29 916 and 953 tons respectively, the cultivated area is 8 152 da for eggplant and the production area is 19 269 tons, the cultivated area is 1 777 da for fresh onion and 5 472 da for dry onion and the production areas of fresh and dry onion 1 787 and 7 058 tons respectively, the area of cultivation of fresh beans was 2 141 and the production area was 1 485 tons from the most grown vegetables.

4.2. Fruits

The fruits area (da), production amounts (ton) and yield per tree (kg) for the last five years of fruits in Diyarbakır province are given in Table 4.2.

	2011	2012	2013	2014	2015	ORT	%
Fruits area (da)	966	1.042	1.058	1.084	1.082	1.046	1.83

APPLE (GOLDEN)	Production (ton)	420	415	474	362	435	421	
	Yield per tree (kg)	19	19	21	16	20	19	
APPLE (STARKING)	Fruits area (da)	104	105	105	99	94	101	0.18
	Production (ton)	80	83	84	81	72	80	
	Yield per tree (kg)	23	23	23	22	21	22	
APPLE (AMASYA)	Fruits area (da)	95	127	141	136	145	129	0.23
	Production (ton)	56	64	66	52	46	57	
	Yield per tree (kg)	23	23	23	19	17	21	
APPLE (OTHER)	Fruits area (da)	3.185	3.329	3.311	3.103	3.096	3.205	5.61
	Production (ton)	1.213	1.212	1.091	1.014	1.076	1.121	
	Yield per tree (kg)	24	24	22	20	22	22	
PEAR	Fruits area (da)	4.988	5.106	4.966	4.750	4.759	4.914	8.60
	Production (ton)	2.111	2.176	2.134	1.798	1.817	2.007	
	Yield per tree (kg)	23	23	23	20	21	22	
QUINCE	Fruits area (da)	975	1.079	989	844	806	939	1.64
	Production (ton)	356	492	492	318	324	396	
	Yield per tree (kg)	25	27	26	20	21	24	
PEACH (NECTARINE)	Fruits area (da)	5	5	4	4	4	4	0.01
	Production (ton)	164	132	132	97	98	125	
	Yield per tree (kg)	25	20	20	15	15	19	
PEACH (OTHER)	Fruits area (da)	544	563	552	555	547	552	0.97
	Production (ton)	239	237	240	192	196	221	
	Yield per tree (kg)	19	18	18	16	17	18	
PLUM	Fruits area (da)	12.713	12.954	13.020	12.693	12.685	12.813	22.41
	Production (ton)	1.059	1.046	1.030	629	874	928	
	Yield per tree (kg)	18	17	17	11	16	16	
APRICOT	Fruits area (da)	2.196	2.521	2.501	2.267	2.157	2.328	4.07
	Production (ton)	999	848	831	620	665	793	
	Yield per tree (kg)	21	17	17	14	16	17	
WILD APRICOT (ZERDALI)	Fruits area (da)	160	173	171	160	155	164	0.29
	Production (ton)	83	89	89	58	58	75	
	Yield per tree (kg)	18	18	18	13	12	16	
CHERRY	Fruits area (da)	1.113	1.188	1.350	1.359	1.355	1.273	2.23
	Production (ton)	298	291	317	225	235	273	
	Yield per tree (kg)	16	16	17	12	12	15	
SOUR CHERRY	Fruits area (da)	744	774	780	745	731	755	1.32
	Production (ton)	285	300	299	242	241	273	
	Yield per tree (kg)	14	15	14	13	13	14	
ELEAGNUS	Fruits area (da)	-	-	-	-	-	-	-
	Production (ton)	14	14	13	14	14	14	
	Yield per tree (kg)	47	47	43	47	47	46	
STRAWBERRY	Fruits area (da)	20	20	20	25	25	22	0.04
	Production (ton)	60	60	59	75	75	66	
	Yield per tree (kg)	3	3	3	3	3	3	
MULBERRY	Fruits area (da)	8.930	9.806	9.981	10.051	10.064	9.766	17.08

	Production (ton)	8.698	9.114	9.854	6.007	8.881	8.511	
	Yield per tree (kg)	17	18	20	12	18	17	
	Fruits area (da)	2.016	2.074	2.154	1.904	1.908	2.011	3.52
POMEGRANATE	Production (ton)	999	1.020	1.034	896	842	958	
	Yield per tree (kg)	20	20	20	18	17	19	
	Fruits area (da)	1.615	1.922	1.959	1.886	1.884	1.853	3.24
FIG	Production (ton)	813	806	789	766	782	791	
	Yield per tree (kg)	18	17	17	17	17	17	
	Fruits area (da)	70	70	71	70	70	70	0.12
OLIVE (OILY)	Production (ton)	-	-	-	-	-	-	
	Yield per tree (kg)	-	-	-	-	-	-	
	Fruits area (da)	6.279	7.466	7.729	7.727	7.629	7.366	12.89
ALMOND	Production (ton)	2.924	3.213	3.370	2.170	2.793	2.894	
	Yield per tree (kg)	9	10	11	7	9	9	
	Fruits area (da)	3.205	3.573	3.825	3.760	3.848	3.642	6.37
WALNUT	Production (ton)	1.835	1.863	1.812	871	1.384	1.553	
	Yield per tree (kg)	27	27	26	12	19	22	
	Fruits area (da)	3.540	4.286	4.411	4.442	4.384	4.213	7.37
PISTACHIO	Production (ton)	702	1.999	1.978	1.511	1.408	1.520	
	Yield per tree (kg)	8	15	15	11	10	12	
Total area (da)							57.167	100.0

According to the average of the last five years of Diyarbakır province fruit cultivation, it is seen that the highest number of plum cultivation was done and this ratio was 22.41% in fruits. The plum is followed by mulberry with 17.08%, almond with 12.89%, pear with 8.60%, apple with 7.85% (Golden, Starking, Amasya and others), pistachio with %7.37, walnuts with 6.37%, apricots with 4.07%, pomegranate with 3.52%, fig with 3.24%, cherry with 2.23%, quince with 1.64% and sour cherry with 1.32%. It is observed that the cultivation of fruits such as peaches, eleagnus, olives and strawberries is very low (Table 4.2).

According to the data of the last five years; it is seen that the planting area of the plum is 12 813 da, the production amount is 928 tons and the yield per tree is 16 kg; planting area of the mulberry is 9 766 da, the production amount is 8 511 ton and the yield per tree is 17 kg; planting area of the almond is 7 366 da, the production amount is 2 894 ton and the yield per tree is 9 kg; planting area of the pear is 4 914 da, the production amount is 2 007 ton and the yield per tree is 22 kg; planting area of the apple is 4 481 da, the production amount is 1 679 ton and the yield per tree is 21 kg; planting area of the pistachio is 4 213 da, the production amount is 1 520 ton and the yield per tree is 12 kg; planting area of the walnut is 3 642 da, the production amount is 1 552 ton and the yield per tree is 22 kg; planting area of the apricot is 2 328 da, the production amount is 793 ton and the yield per tree is 17 kg; planting area of the pomegranate is 2 011 da, the production amount is 958 ton and the yield per tree is 19 kg; planting area of the fig is 1 853 da, the production amount is 791 ton and the yield per tree is 17 kg; planting area of the cherry is 1 273 da, the production amount is 273 ton and the yield per tree is 15 kg; planting area of the quince is 939 da, the production amount is 396 ton and the yield per tree is 24 kg and planting area of the sour cherry is 755 da, the production amount is 273 ton and the yield per tree is 14 kg from the most grown fruits.

4.3. Viticulture

The planting area (da), production amounts (ton) and yield per tree (kg) for the last five years of viticulture in Diyarbakır province are given in Table 4.3.

		2011	2012	2013	2014	2015	ORT	%
GRAPE (TABLE-SEEDY)	Planting area (da)	174.093	145.274	147.091	148.540	152.090	153.418	76.12
	Production (ton)	115.112	97.529	88.002	83.747	65.982	90.074	
	Yield per tree (kg)	661	671	598	564	434	586	
GRAPE (TABLE-SEEDLESS)	Planting area (da)	5.450	5.460	5.644	5.650	5.650	5.571	2.76
	Production (ton)	3.291	3.292	3.384	3.385	3.387	3.348	
	Yield per tree (kg)	604	603	600	599	599	601	
GRAPE (DRYING-SEEDY)	Planting area (da)	22.905	22.905	23.005	23.285	19.735	22.367	11.10
	Production (ton)	11.595	14.536	20.255	17.663	12.673	15.344	
	Yield per tree (kg)	506	635	880	759	642	684	
GRAPE (DRYING-SEEDLESS)	Planting area (da)	1.700	1.700	1.700	1.700	1.700	1.700	0.84
	Production (ton)	272	272	261	261	255	264	
	Yield per tree (kg)	160	160	154	154	150	156	
GRAPE (WINEMAKING)	Planting area (da)	18.306	18.506	18.461	18.620	18.620	18.503	9.18
	Production (ton)	10.733	10.688	11.311	13.052	13.436	11.844	
	Yield per tree (kg)	586	578	613	701	722	640	
Total area (da)							201.558	100.0

According to the average of the last five years of Diyarbakır province viticulture, it is seen that the highest number of table-seedy grape cultivation was done and this ratio was 76.12% in viticulture. The table-seedy grape is followed by drying-seedy grape with 11.10%, winemaking grape with 9.18%, table-seedless grape with 2.76% and drying-seedless grape with 0.84% (Table 4.3)

According to the data of the last five years; it is seen that the planting area of the table-seedy grape is 153 418 da, the production amount is 90 074 tons and the yield per tree is 586 kg; the planting area of the drying-seedy grape is 22 367 da, the production amount is 15 344 tons and the yield per tree is 684 kg; the planting area of the winemaking grape is 18 503 da, the production amount is 11 844 tons and the yield per tree is 640 kg; the planting area of the table-seedless grape is 5 571 da, the production amount is 3 348 tons and the yield per tree is 601 kg and the planting area of the drying-seedless grape is 1 700 da, the production amount is 264 tons and the yield per tree is 156 kg from the most grown viticulture.

5. Results

In Diyarbakır province, it is observed that wheat, barley and grain corn in the group of cereals; lentils and chickpeas in the group of food legumes; cotton and sunflower in the group of industrial plants; vetch, silage corn and bitter vetch in the group of forage crops; watermelon, tomato, pepper and melon in the group of vegetables; plum, mulberry and almond in the group of fruits; table-seedy grape, drying-

seedy grape and winemaking grape in group of viticulture are the most grown. When we look at crop production, it is seen that most of the wheat is cultivated in Diyarbakır province as it is in many other provinces, and it is seen that most barley, lentil and cotton cultivation is done after wheat.

As a result of this study, it has been concluded that we should focus on the determination of wheat, barley, lentil and cotton varieties suitable to the ecological conditions of Diyarbakır. For this purpose; It is foreseen that the works to be carried out by the institutions and organizations in Diyarbakır (mainly Dicle University Agricultural Faculty, GAP International Agricultural Research and Training Center Directorate, Food, Agriculture and Animal Husbandry Directorate and other institutions and organizations) will provide great contributions to the province and farmers of Diyarbakır in order to increase the yields, qualities and sowing areas of these plants already grown.

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