



Turkey

Aksoy U., Can H.Z.

ir

Al Bitar L. (ed.).

Report on organic agriculture in the Mediterranean area: Mediterranean Organic Agriculture Network

Bari: CIHEAM

Options Méditerranéennes : Série B. Etudes et Recherches; n. 50

2004

pages 95-116

Article available on line / Article disponible en ligne à l'adresse :

http://om.ciheam.org/article.php?IDPDF=5002157

To cite this article / Pour citer cet article

Aksoy U., Can H.Z. **Turkey.** In : Al Bitar L. (ed.). *Report on organic agriculture in the Mediterranean area: Mediterranean Organic Agriculture Network.* Bari : CIHEAM, 2004. p. 95-116 (Options Méditerranéennes : Série B. Etudes et Recherches; n. 50)



http://www.ciheam.org/ http://om.ciheam.org/



TURKEY

U. Aksoy and H. Z. Can

Ege University Faculty of Agriculture, Department of Horticulture 35100, Bornova-Izmir/TURKEY

INTRODUCTION

In Turkey, Organic Agriculture started in the 1984-85 season as a consequence of the growing organic market in European countries in the 1980's. Since then organic production has shaped up according to the demands coming from the foreign markets. The production is carried out by Turkish companies that contract with the farmers for the requested crop. Contracted farming on one hand was an instrument used to promote conversion to organic production in Turkey between 1984 and 2000 even if there were no subsidies for organic production due to guaranteed market and flow of technical information through contracting companies. On the other hand, it was a major drawback for further development of Organic Agriculture especially for the development of the domestic market because the farmers were expected to have the same contracts for the local markets. Besides it limited the product range, and only companies exporting abroad were involved in Organic Agriculture (Aksoy, 2004).

In 2003 and 2004, a major step was taken in Turkey which can be stated as generally nation-wide as interest for Organic Agriculture rose judging from the number of meetings held and articles published. One of the major steps taken is by the Ministry of Agriculture and Rural Affairs (MARA) in respect that it has widened its network through training programs in order to give service to farmers in each province and through research projects at national research institutes. Between January and March 2004, six workshops were organized by MARA through FAO's support in order to bring together all the stakeholders, discuss the current status of Organic Agriculture in Turkey and get feedback for the preparation of a project proposal to be submitted to donors. Another initiative undertaken by MARA was the signing of a protocol with the State Hydraulic Works on December 30 2003 in order to promote organic farming in the protection zones of 6 dams in Ankara, Konya, Kütahya, Çanakkale and Gümüşhane provinces. In addition to these, there are many small, new initiatives in the domestic market, and many non-governmental organizations have started to get involved in Organic Agriculture. Some of the developments in various fields such as the legislation, institution and capacity building, research, and market are briefly mentioned under the following headings.

REGULATORY AND INSTITUTIONAL ASPECTS

The Council Regulation (EEC) No. 2092/91 of 24 June 1991 on organic production of agricultural products created a domino effect on world-wide Organic Agriculture. Turkey, as an important exporter to the EU, prepared a national regulation that will comply with the above mentioned EC regulation. The Turkish regulation came into force in December 24, 1994 (Official Gazette No. 22145) and after two minor amendments it was revised in July 11, 2002 (Official Gazette No. 24812) to include all related amendments (from EEC/92-EC 1804/99 and various others) modifications to the EEC 2092/91. The revised version includes plant and animal production, aquaculture and processing.

The competent authority is the Ministry of Agriculture and Rural Affairs (MARA) which is responsible for the overall management of the organic system. MARA services in Ankara are handled as two sections: main service units and advisory and control units. The main services at MARA are the General Directorate of Agricultural Production and Development (DGAP), General Directorate of Plant Protection and Control (DGPC), General Directorate of Structuring and Support, General Directorate for Agricultural Research and Department for Foreign Affairs and EU Coordination. Almost all these departments and DGs are involved in Organic Agriculture. Within MARA, up until August 22, 2003, the Organic Agriculture Committee (OAC) was established under the Department of Research, Planning and Coordination, one of the advisory and control units. The OAC was composed of representatives from various DGs and was the main decision - making body, whereas the Secretariat of OAC was responsible for execution. The OAC members were not permanent and represented their

DGs and were subject to frequent changes. Regulation Number 25287 published in August 22, 2003 in the Official Gazette restructured MARA and the responsibility has been given to DG of Agricultural Production. Currently 15 members employed by the Department of Alternative Agricultural Production Techniques (Branches on Legislation and policy, Data collection and evaluation and Alternative agricultural production) work on OA within the DGAP. The stakeholders are embraced through three committees established: National Orientation Committee (NOC), National Trade Committee (NTC) and National Research Committee (NRC). MARA, as the competent authority, is trying to develop strategies for the rapid and sound development of Organic Agriculture after consulting all stakeholders and is preparing an action plan to achieve these objectives.

According to the new structuring, organic teams are being established in each of the 81 provinces in Turkey. These units are expected to be composed of staff experienced in data collection (located at the Projects and Statistics Departments of the Provincial Directorates of Agriculture), standards, inspection and certification of Organic Agriculture and organic techniques in order to follow up the activities within the borders of their province.

As demanded by the Article 11 paragraph 1 (a) of regulation EEC 2092/91, Turkey prepared a file and applied to the EU to be accepted as a third country in 1995. After the revision of the regulation in 2002, MARA presented a revised file to the EU in order to be accepted as the third country. A comparative table of the existing Turkish regulation and the EC was prepared and sent to EU/Brussels in November 2003. To provide legal support in reinforcement, a framework law has been drafted to authorize MARA to make timely amendments and corrections when necessary and to issue punishments and fines in case of non-conformity. The rules and regulations valid in organic production are subject to rapid changes due to the dynamic nature of Organic Farming and this law will allow MARA to adapt these changes quickly. This law has already been discussed in the related Commission (as of July 12, 2004) and is expected to be adopted by the Parliament soon. After this adoption, the current regulation will be revised again within a year.

In Turkey, there are regulations and partial support for companies adopting ISO and HACCP and attempts for geographic identification; however there are no regulations present for typical products.

Data collection

The State Institute of Statistics is the official body for collecting national data. It gathers agricultural data through provincial directorates of MARA. Production data on Organic Agriculture is collected by MARA through authorized inspection and certification bodies. Currently, MARA is upgrading its data collection and management systems. There seems to be a decrease in the number of farms and area under organic management as a result of this change in data collection and evaluation system. These changes are still on-going and can only be finalized during subsequent years. The current data released by MARA does not differentiate between the conversion period and fully organic stage and does not include any information on processed final products (eq. Textiles), processors, packers or companies involved in the domestic market. The data related for exportation is collected by the Undersecretary for Foreign Trade (UFT), and the Aegean Exporters' Union (AEU) acts as the coordinating institution. Most of these figures belong to the final product which makes it difficult to compare production and exportation and thus, creates doubts (e.g. Tomato paste versus tomato). MARA and ETO (Turkish Association on Organic Agriculture) became partners in the European Information System for Organic Markets (EISFOM), a coordination action supported by the EU that aims to develop a reliable and uniform data collection system within the European Union countries.

According to figures given by the Turkish Ministry of Agriculture and Rural Affairs for 2003, Organic Agriculture is practiced on 103 190 hectares by 13 044 farmers. The area inspected and certified for nature (wild) picking is 40 153. The total organic production reaches up to 291 875 tons. All data related to organic production in the year 2003 are given in tables 1-4 and figure 1. The products raised or harvested are presented in table 4. Besides these products of plant origin, animal products such as honey and meat are also obtained.

Table 1. Number of growers, production (ton) and area (ha) under organic management according to the geographical regions

AEGEAN REGION

Provinces	No. of Grower	Area (ha)	Production (ton)	Fresh (ton)
Afyon	919	1 630.92	6 790.21	118.36
Aydin	1445	8 435.44	21 832.17	30. 34
Denizli	140	322.20	2 972.13	0.00
Izmir	1214	109.82	16 369.07	455.75
Manisa	686	2 073.25	13 346.15	0. 00
Mugla	201	19 244.05	5 159.00	20. 10
Usak	32	59.50	8.00	0. 00
Kutahya	257	673.40	14 162.50	0. 00
TOTAL	4894	42 608.57	80 639.23	624.55
MEDITERRANEA	N REGION			
Provinces	No. of Grower	Area (ha)	Production (ton)	Fresh (ton)
Adana	18	59. 25	0. 00	0.00
Antalya	112	11 840. 28	3 973. 21	1.34
Burdur	133	363.68	606.59	0. 00
Hatay	4	411. 10	1 117.00	0. 00
Isparta	422	976. 67	21 998.90	6 270. 16
Mersin	40	3 456. 00	2 900.40	0.00
TOTAL	711	17 047.73	30 596. 10	6 271.50
MARMARA REGIO	ON			
Provinces	No. of Grower	Area (ha)	Production (ton)	Fresh (ton)
Balıkesir	146	383.74	10 105.20	43.98
Bilecik	120	239.83	492.38	149.90
Bursa	230	648.24	9 313.27	258.74
Çanakkale	225	739.06	2 550.21	146.21
İstanbul	22	123.99	118.00	0.00
Sakarya	1	21.10	170.00	0.00
Kocaeli	2	88.60	102.50	0.00
TOTAL	746	1 860.82	12 746.36	554.85
SOUTH EASTERN	I ANATOLIA REGIOI	N		
Provinces	No. of Growers	Area (ha)	Production (ton)	Fresh (ton)
Adıyaman	36	108.50	435.47	0.00
Gazi antep	8	1 629.80	6 212.57	0.00
K. maraş	107	1 311.10	9 804.00	0.00
Mardin	1	310.00	1 040.00	0.00
Şanlı urfa	221	18 332.60	59 542.60	211.73
TOTAL	373	21 692.00	77 034.64	211.73

EASTERN ANATOLIA REGION

Provinces	No. of Growers	Area (ha)	Production (ton)	Fresh (ton)
Erzurum	1836	3 857.00	0.00	0.00
Malatya	184	4 003.35	9 839.90	23.15
Sivas	1	30.00	60.00	0.00
Van	0	0.00	180.00	0.00
TOTAL	2021	7 890.35	10 079.90	23.15
CENTRAL ANATO	OLIA REGION			
Provinces	No. of Growers	Area (ha)	Production (ton)	Fresh (ton)
Ankara	1	51.50	950.00	0.00
Çankırı	702	419.00	10 200.00	0.00
Kayseri	80	91.98	89.00	0.00
Konya	392	3 276.53	12 661.29	1 301.22
Nevşehir	137	205.66	1 471.60	0.00
Niğde	62	273.90	4 108.00	153.59
Tokat	0	1 849.00	100.00	0.00
TOTAL	1374	6 167.57	29 579.89	1 454.81
BLACK SEA REG	ION			
Provinces	No. of Growers	Area (ha)	Production (ton)	Fresh (ton)
Artvin	120	683.40	382.90	0.00
Bolu	83	406.10	876.25	0.00
Düzce	145	656.22	1 362.35	12.35
Gümüşhane	158	82.40	2 089.00	0.00
Kastamonu	2 106	784.00	32 041.00	0.00
Ordu	117	1 246.10	1 905.71	0.00
Rize	1	0.00	0.15	0.00
Samsun	15	109.69	142.75	0.00
Sinop	75	163.50	1 192.41	0.00
Trabzon	87	1 348.81	1 102.10	0.00
TOTAL	2 907	5 480.22	41 094.61	12.35

Table 2. Total production of organic processed (dried, canned, deep - frozen, concentrated, and others) products

Product	Production raw material	Dried (Ton)	Deep Frozen (Ton)	Canned (Ton)	Concentrated (Ton)	Other
Sage	445.65	21.82	0.00	0.00	0.00	0.00
Raspberry	472.80	0.00	65.27	0.00	0.00	0.00
Azarole	200.00	0.00	0.00	0.00	0.00	0.00
Grapefruit	70.80	0.00	0.00	2.41	0.00	0.00
Anis	412.25	69.93	0.00	0.00	0.00	30.78
Pistachio	2.783.80	167.96	0.00	0.00	0.00	0.00
Juniper seed	195.10	0.00	0.00	0.00	0.00	0.00
Pear	7.662.51	2.59	3.62	4.16	185.51	0.00
Horse tail	15.00	0.00	0.00	0.00	0.00	0.00
Sunflower	177.62	0.00	0.00	0.00	0.00	0.00
Quince	1.903.30	0.00	0.00	0.00	35.20	0.00
Almond	651.50	29.80	0.00	0.00	0.00	0.00
Honey	1.099.80	0.00	0.00	0.00	0.00	202.80
Pepper	3.908.88	8.29	19.95	0.00	0.00	12.67
Rosemary	730.05	21.43	0.00	0.00	0.00	8.40
Blackberry leaf	25.00	0.00	0.00	0.00	0.00	0.86
Wheat	21.378.77	333.96	0.00	0.00	0.00	6.30
Bulgur	0.00	17.00	0.00	0.00	0.00	23.34
Walnut	530.63	0.32	0.00	0.00	0.00	0.68
Fig filled with walnut	0.00	0.00	0.00	0.00	0.00	0.64
Pine nut	2.375.28	157.05	0.00	0.00	0.00	0.25
Strawberry	3.496.90	0.00	766.96	0.00	0.00	0.00
Black cumin	78.00	0.00	0.00	0.00	0.00	1.00
Mountain sage	107.50	2.64	0.00	0.00	0.00	0.00
Daphne (Bay)	1.224.85	7.96	0.00	0.00	0.00	8.84
Tomato	26.492.50	60.60	0.00	58.25	0.00	0.00
Mulberry	95.76	4.07	0.00	0.00	2.85	0.00
Malva	344.83	0.00	0.00	0.00	0.00	0.00
Apple	71.928.21	101.08	0.00	121.35	4.937.40	15.20
Artichoke	100.03	100.03	100.03	100.03	100.03	100.03
Prune	7.932.88	5.40	113.87	33.65	0.00	0.00
Bean	205.41	3.53	0.00	0.00	0.00	0.00
Dry bean	162.00	4.09	0.00	0.00	0.00	0.00
Basil	72.40	2.46	0.00	0.00	0.00	0.00
Hazelnut	5.661.65	1.968.22	0.00	0.00	0.00	23.49
Rose	203.52	0.94	0.00	0.00	0.00	0.00
Rose water	0.00	0.94	0.00	0.00	0.00	15.10
Rose water Rose oil	0.00	0.00	0.00	0.00	0.00	0.05
Poppy Russian olive	1.052.10	351.28	0.00	0.00	0.00	46.50
	0.00	0.02	0.00	0.00	0.00	0.00
Linden	175.95	2.00	0.00	0.00	0.00	0.00
Fig	8.112.98	2.194.35	0.00	0.40	0.00	3.00
Courgette	111.83	0.08	21.90	0.00	0.00	0.00
Caper	416.85	0.00	0.00	22.04	0.00	0.00
Apricot	13.278.25	3.264.73	239.21	57.55	39.55	3.00
Apricot seed	0.00	54.83	0.00	0.00	0.00	0.00
Thyme	909.95	92.21	0.00	0.00	0.00	0.07
Cake mixture	0.00	0.61	0.00	0.00	0.00	0.00
Cumin	678.69	28.56	0.00	0.00	0.00	26.56
Sweet cherry	1.830.35	40.00	27.29	24.05	0.00	0.00

Product	Production raw material	Dried (Ton)	Deep Frozen (Ton)	Canned (Ton)	Concentrated (Ton)	Other
Mixed nuts	0.00	0.47	0.00	0.00	0.00	0.00
Macaroni	0.00	0.00	0.00	0.00	0.00	12.13
Mandarin	354.00	0.00	0.00	15.23	0.00	0.00
Melissa	20.10	0.72	0.00	0.00	0.00	0.00
Lentil	11.781.05	723.78	0.00	0.00	0.00	80.23
Lentil (red)	2.385.50	2.253.48	0.00	0.00	0.00	0.00
Lentil (green)	413.50	216.05	0.00	0.00	0.00	0.00
Mixed fruits	0.00	0.30	0.00	0.00	0.00	0.00
Fruit cocktail	0.00	0.36	0.00	0.00	0.00	0.00
Murt suyu	0.00	0.00	0.00	0.00	0.00	0.33
Murt yaðý	0.00	0.00	0.00	0.00	0.00	0.01
Chickpea	4.884.75	2.517.37	0.00	0.00	0.00	23.00
Cotton	34.876.90	0.00	0.00	0.00	0.00	6.412.62
Eggplant	195.05	0.01	0.00	0.00	0.00	0.00
Concent. grape juice	9.72	0.00	0.00	0.00	0.00	1.08
Valonia	132.95	1.02	0.00	0.00	0.00	0.00
Leek	5.30	0.55	0.00	0.00	0.00	0.00
Fennel	520.10	171.40	0.00	0.00	0.00	20.92
Garlic	103.25	0.37	0.00	0.00	0.00	0.00
Sesame seed	204.66	0.96	0.00	0.00	0.00	0.00
Super mixture	0.00	0.90	0.00	0.00	0.00	0.00
Wine	0.00	0.00	0.00	0.00	0.00	0.00
Peach	2.086.50	0.00	0.00	32.73	4.24	0.00
Grape	9.505.37	2.426.11	0.00	0.00	0.86	116.93
Raisin	3.365.45	1.889.75	0.00	0.00	0.00	0.00
Sour cherry	5.994.12	0.00	722.01	35.04	7.95	0.00
Sour cherry pedicel	0.00	12.68	0.00	0.00	0.00	0.00
Olive	6.455.96	0.00	0.00	4.50	0.00	0.02
Olive oil	68.00	0.00	0.00	0.00	0.00	10.12

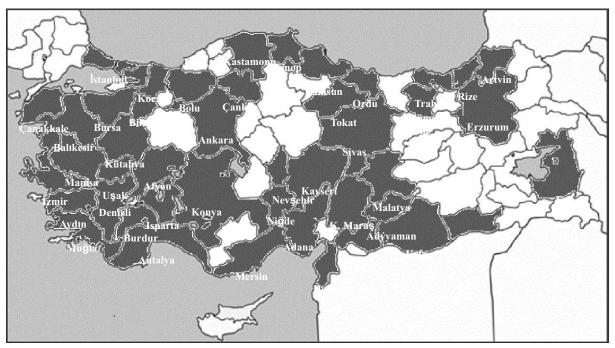


Figure 1. Provinces where organic production takes place in Turkey

Table 3. Organic production in various provinces

Provinces	No. of Growers	Area (Ha)	Production (Ton)	Provinces	No. of Growers	Area (Ha)	Production (Ton)
Adana	18	59,25	0,00	Kayseri	80	91,98	89,00
Adıyaman	36	108,50	435,47	K. Maraş	107	1.311,10	9.804,00
Afyon	919	1.630,92	6.790,21	Kocaeli	2	88,60	102,50
Ankara	1	51,50	950,00	Konya	392	3.276,53	12.661,29
Antalya	112	11.840,28	3.973,21	Kütahya	257	673,40	14.162,50
Artvin	120	683,40	382,90	Malatya	184	4.003,35	9.839,90
Aydın	1445	8.435,44	21.832,17	Manisa	686	2.073,25	13.346,15
Balıkesir	146	383,74	10.105,20	Mardin	1	310,00	1.040,00
Bilecik	120	239,83	492,38	Mersin	40	3.456,00	2.900,40
Bolu	83	406,10	876,25	Muğla	201	19.244,05	5.159,00
Burdur	133	363,68	606,59	Nevşehir	137	205,66	1.471,60
Bursa	230	648,24	9.313,27	Niğde	62	273,90	4.108,00
Çanakkale	225	739,06	2.550,21	Ordu	117	1.246,10	1.905,71
Çankırı	702	419,00	10.200,00	Rize	1	0,00	0,15
Denizli	140	322,20	2.972,13	Sakarya	1	21,10	170,00
Düzce	145	656,22	1.362,35	Samsun	15	109,69	142,75
Erzurum	1836	3.857,00	0,00	Sinop	75	163,50	1.192,41
G. Antep	8	1.629,80	6.212,57	Sivas	1	30,00	60,00
Gümüşhane	158	82,40	2.089,00	Ş. Urfa	221	18.332,60	59.542,60
Hatay	4	411,10	1.117,00	Tokat	0	1.849,00	100,00
Isparta	422	976,67	21.998,90	Trabzon	87	1.348,81	1.102,10
İstanbul	22	123,99	118,00	Uşak	32	59,50	8,00
İzmir	1214	10.169,82	16.369,07	Van	0	0,00	180,00
Kastamonu	2106	784,00	32.041,00	Total	13.044	103.190,25	291.875,92

Table 4. Organic production of wild species in Turkey

Product	No. of provinces	Production (Ton)
Sage	5	445,65
Azarole	3	200,00
Seeds of Juniper	4	195,10
Horse tail		15,00
Rosemary	6	730,05
St John's wort		6,00
Blackberry leaf		25,00
Calendula	2	0,13
Yarrow	2	7,00
Black cumin	3	78,00
Mountain sage	3	107,50
Monarda didyma L	1	1,00
Laurel	6	1.224,85
Dill	2	0,26
Thistle	3	30,00
Mistletoe	3	21,00
Chaste tree	3	105,05
Linden	6	175,95
Prune	1	295,00
Sheep's sorrel	1	20,00
Spruce	1	150,00
Myrtle	2	65,00
Oak	1	20,00
Elderberry	1	8,20
Lemon balm	1	0,10
Mullein	3	70,00
Wild pear	2	160,00
Wild apple	2	240,00
Wild plum	2	154,00
Speedwell	1	20,00
Hyssopus officinalis L supsp.	1	0,08

Inspection and certification

MARA authorizes private and independent entities to carry out inspection and certification services in Turkey. The authorized IC bodies are IMO (Institut für Market Ökologie), BCS (BioControl System), ECOCERT, SKAL, ICEA ETKO and EKOTAR (Table 5). The first five companies are branches of the European registered companies and the latter are Turkish. The two Turkish companies cannot issue certificates for exportation to EU since they are not accredited. ETKO has an alliance with a European company to issue certificates in the EU. All the staff members of these seven inspections and certification bodies are Turkish citizens.

Table 5. List of the inspection and certification bodies authorized by the Turkish Ministry of Agriculture and Rural Affairs

ECOCERT

220 Sok. 29/3 Bornova/İZMİ

Tel: +90 (232) 343 43 60 / 3435550

Fax: +90 (232) 343 39 59

BCS

Narlı Mah. Limon sok. Dicle apt. No:1 D:5 35320

Narlidere / İZMİR

Tel: +90 (232) 239 09 07 Fax: +90 (232) 239 06 08

ETKO

160 Sok. No:13/ 7 35040

Bornova / İZMİR

Tel: +90 (232) 339 76 06

Fax: +90 (232) 339 76 07

ICEA (started in 2004)

Mustafa Kemal Caddesi No. 166/2

35040 Bornova/İZMİR Tel: +90 (232) 342 60 68 Fax: +90 (232) 342 84 64 **SKAL**

Süvari Cad. No:8/1 Bornova / İZMİR

Tel: +90 (232) 343 26 51 Fax: +90 (232) 339 37 03

IMO

225 Sok. No:26/2 A Blok 35040

Bornova / İZMİR

Tel: +90 (232) 347 47 05 Fax: +90 (232) 347 47 80

EKOTAR

Adnan Menderes Bulvarı No: 36/1 Mersin / İÇEL

Tel: +90 (324) 325 49 64 Fax: +90 (324) 327 19 44

In addition to the enforcement of the law on Organic Agriculture and consequent changes in the regulation, new conditions for accreditation will be set forth.

In general, the fees demanded by the IC bodies are similar to each other but comparatively higher than many other countries. High cost of inspection and certification is one of the factors limiting the transition of individual farmers to organic management system. Currently, exporters reduce this cost by preparing the so-called "projects" that group a certain number of farms within the same region and thus divide the total cost among many farmers. Information relating to the farmers, processors, packers or traders are directly sent to MARA by each inspection body, and this information is currently not available to the public. The same is true for the authorized inspectors and board of certifiers within each company.

Support policies

In Turkey, there are no subsidies specifically given to organic farmers. A direct payment is given to all farmers per unit surface area. The subsidies given for fertilizers and pesticides in conventional agriculture have also been removed. Recently, the Agricultural Bank decided to reduce the yearly interest rate of loans from 26 % to 11 % for production of organic goods and inputs used in organic agriculture.

RESEARCH

In Turkey, research in agriculture and related fields is carried out mainly at universities (faculties of agriculture, food engineering, forestry, environment, aquaculture and fisheries, and vocational schools) that operate under Higher Education Council, at national research institutes (NAR) of MARA and at the Turkish Scientific and Technical Research Council institutes. There are very few research works being handled by the private sector. Since the last two years, MARA promotes and funds

research projects, albeit small, on organic farming in many of its NARs (National Agricultural Research Institutes) through a framework project supported by SPO. A number of research projects focus on a crop or on optimization of a technique, mainly on maintaining soil fertility through organic fertilizers and manure (Annexes 1,2).

In Turkey, the agencies that fund research proposals on Organic Agriculture based on competition are the State Planning Organization, Turkish Scientific and Technical Research Council, and University Research Funds and to a limited extent partial funding comes from the general budget of the institutions.

EDUCATION AND TRAINING

At every faculty of agriculture there is at least one course on Organic Agriculture taught at graduate level, and a few electives. At some of the major universities, the post-graduate curriculum has a few special courses that can be elected. At Ege University Graduate School of Natural and Applied Sciences, new courses on Organic Agriculture will be offered starting from the 2004-2005 academic year and will include courses such as Biological Control in Organic Agriculture, Organic Animal Husbandry, Nutrition in Organic Animal Husbandry, Organic Vegetable Growing, Organic Fruit Growing, Organic Management in Vineyards and Economics and Marketing of Organic Products.

In Turkey, vocational schools (2-4years after high school to train technicians) started programs on Organic Agriculture. Kelkit Aydın Doğan Vocational School at Atatürk University (Kelkit/Gumüşhane) has a two year program on "Organic Agriculture" (and one year English prep) that started in 2003-4, and Suruç Vocational School at Harran University in Suruç/Urfa has a program on "Sustainable Agriculture" with a partial coverage of Organic Agriculture.

Training activities are being handled by MARA and ETO on a yearly basis. For the provincial units (PU) six training courses are held for technical staff and trainers on issues such as the inspection and certification procedures and general principles of organic plant and animal production in 2003. An FAO supported short course was given to the officers of related departments of MARA on accreditation procedures in Organic Agriculture in July 2004. Farmers' training programs are being handled by the extensionists at provincial level. In order to promote farmers in the protection zones of the selected 6 dams, MARA organized 39 training programs and trained 990 farmers.

MARKET ISSUES

Producer organizations

In Turkey, since most of the production is realized by contracting individual farmers, there are very few producer organizations involved in Organic Farming. These producer organizations are as follows:

TARIS

Address: Alsancak-İzmir

Number of members: 185 267 total and 328 organic farmers

Product Number of organic farmers/total number of members:

 Dried fig
 137 / 6 588

 Raisin
 35 / 23 000

 Olive oil
 156 / 27 779

 Cotton
 0 / 127 900

Market: Mainly European Union countries, domestic market (fig, raisin, olive oil, and vinegar to a small

extent)

BAŞMAKÇI No. 1 Rose Cooperative

Address: Başmakçı/Afyon Number of members: 487

Product: Rose products (dried petals, oil, water etc.)

Market: Germany

ULUPINAR VILLAGE COOPERATIVE

Address: ÇIRALI/Antalya

Products: Fresh fruits (Citrus) and vegetables, agro-eco tourism

Market: Domestic market

BIDAŞ

Address: BIDAS/BURSA

Products: Deep-frozen fruits and vegetables Market: Mainly European Union countries

Domestic and export markets

The food and non-food commodities produced organically in Turkey are destined for the European markets. The Undersecretary for Foreign Trade (www.dtm.gov.tr), the Aegean Exporters Union (www.egebirlik.org) and the Export Promotion Centre (www.igeme.org.tr) deal with the exportation of organic products as well as conventional products.

Until 2003, organic production was mainly of plant origin. Production is directly realized by Turkish farmers. Companies are contracting with these individual farmers for the production of so called 'projects'. Since average plot sized are small and land is fragmented, a project on a commodity may involve over 100 farmers. Except for a few initiatives such as the Good Foundation and Rapunzel (with a Turkish shareholder), all the companies involved in the production and marketing of organic goods are Turkish (annex 3).

During the past years, there has been an increase in the exportation of processed organic goods. This trend creates an added value, in that it lowers the cost of transportation and diversifies the market; on the other hand, it hinders the production of commodities demanded by the local consumers e.g. fresh fruits and vegetables or cereals which are the main components of the Turkish diet. Consequently, the development of the domestic market was started as late as 1999 through the opening of health food or specialized shops. After a few unsuccessful attempts in supermarkets about ten years ago, there is now a slow but steady increase in organic products marketed through supermarket chains. After that health food shops were seen as more promising and a series of health food shops like City Farm or Nuh'un Ambarı were started in Istanbul. Currently, more organic products are being displayed on shelves of supermarket chains as Tansas, Migros, Kipa, Metro and Carrefour since most of the urban consumers purchase their food from supermarkets and their fresh produce from open markets. A few companies (e.g. Organik Gıda, Pan Tarım) started to prepare fresh fruit and vegetables for the domestic market. The development of a domestic organic market will secure a more sustainable export market and will promote new product lines such as minimal processed vegetables and fruit which will in turn promote other activities such as on - farm processing. Therefore development of the domestic market is accepted as a priority by all the stakeholders including MARA, ETO and even by exporters. Organic foods of animal origin are expected to reach the shelves in 2005.

To support a domestic market, there is a need to increase awareness. In this respect, a trade fair entitled "Ekoloji" is held in Istanbul in March every year and during this week exhibitions and meetings are organized with representatives of different sectors. Another trade fair, "Festiva" now held in Istanbul and Ankara annually focuses more on health issues and cosmetics and accepts organic as a part of its activities. The main aim at these trade fairs is to increase public awareness, to establish a platform for producers, buyers and all interested parties and to diversify marketing channels.

To promote the domestic market, there is a need to assess how Turkish consumers perceive organic products which in many cases wrongly appear as a luxury and is thought to be out of the reach of many customers and consumers' willingness to spend on organic products. Another constraint that needs to be studied, clarified and lifted is the lack of trust in organically produced items as many customers do not believe the seriousness of the labelling and are wrongly persuaded that products claiming to be organically produced are not in fact organic. There are very few studies carried out in Turkey on marketing. One was on the consumer demand in Istanbul, Ankara and Izmir and a second was on the comparative production cost of raisins. Of recent, a detailed study was conducted by a group at the Gazi and Ankara Universities on the production cost of organic products; in this regard, additional studies are needed.

CONCLUSION

Organic Agriculture in Turkey is on an increasing trend. In order to have a sustainable development there is a need to enforce a national strategy and to realize legislative and institutional changes, capacity building, technical and financial support for individual farmers converting to organic management, supporting production of on-farm and local inputs allowed in Organic Agriculture, research on priority areas, training through - out the production chain, promotion for market development, and integrating of organic raw material with other sectors such as textiles, cosmetics and tourism.

REFERENCES

Aksoy, U. 2004. Organic Agriculture in Turkey: Its development and impact of contracted farming, 2nd Turkish Congress on Economics, İzmir, Turkey. www.dtm.gov.tr www.egebirlik.org.tr www.eto.org.tr www.igeme.org.tr www.tarim.gov.tr www.yok.gov.tr

Annex1. Completed or and continuing research projects in Turkey

Project Title The Determination of Basic Parameters in Ecological Production of Washington

Navel Orange and Star Ruby Grapefruit

Project Dates 15. 03. 2000 – 15. 03. 2003

Project Leader Mehmet TUNCAY mehmettuncay07@yahoo.com

Institute East Mediterranean Research Institute

Project Title Research on Possibilities of Growing Spinach and Tomatoes Under Organic

Agriculture Conditions

Project Dates 2000 – 2003

Project Leader Gülay BEŞİRLİ gul662000@yahoo.com

Institute Atatürk Horticultural Research Institute Yalova/Turkey

Project Title Researches on Organic Beekeeping Under Turkish Conditions

Project Dates Jan. 2004 – Jan. 2009

Project Leader Feyzullah KONAK beefkonak@mynet.com Institute Apiculture Research Institute Ordu/TURKEY

Project Title A Research on Feasibility of Some Quality Safety Systems in National and

International Marketing of Fresh and Dried Fig Production in Turkey

Project Dates Jan. 2005 – Dec. 2006

Project Leader Ferit ÇOBANOĞLU ferit_09@hotmail.com
Institute Fig Research Institute Erbeyli-Aydın/TURKEY

Project Title Organic Local Cattle (Kilis and Local Southern Yellow) Breeding

Project Dates 2005 – continual

Project Leader Dr. Adnan ÜNALAN adun58@mail.cu.edu.tr

Institute Cukurova Agricultural Research Institute, Adana/TURKEY

Project Title Determination of Possible Usage of Some Plant Extracts Against Pests in Organ ic

Vegetable Production Under Protection

Project Dates 01. 01. 2005 – 01. 01. 2010

Project Leader Dr. Pervin ERDOĞAN pervin erdogan@hotmail.com

Institute Plant Protection Central Research Institute, Ankara/TURKEY

Project Title Management of Disease, Pest and Weed Control in Organic Citrus Production in

East-Mediterranean Region

Project Dates 01. 01. 2003 – 31. 12. 2007

Project Leader Dr. Naime Z. ELEKÇİOĞLU nelekcioglu@yahoo.com Institute Plant Protection Research Institute, Adana/TURKEY

Project Title Organic Agriculture Research in Cereal-Legume Rotation System

Project Dates 2004 – 2008

Project Leader Dr. Muzaffer AVCI muzafavci@yahoo.com

Institute Crop Plants Research Institute ***

Project Title Organic Pomegranate Growing

Project Dates 2002 – 2005

Project Leader Esin ATASEVEN IŞIK esin_ataseven@hotmail.com
Institute East Mediterranean Research Institute Antalya/TURKEY

Project Title Organic Grapefruit Growing

Project Dates 2003 – 2006

Project Leader Zeynep ERYILMAZ zeyneperyilmaz@mynet.com

Institute East Mediterranean Research Institute Antalya/TURKEY
Project Title Organic Strawberry Growing in Black-Sea Region of Turkey

Project Dates 2003 – 2006

Project Leader Idris MACIT idrismacit@yahoo.com

Institute Black Sea Agricultural Research Institute Samsun/TURKEY

Project Title Organic Apricot Growing in Malatya Region

Project Dates 2002 – 2004

Project Leader Sezai ŞAHİN ssahin44@yahoo.com

Institute Fruit Growing Research Institute, Malatya/TURKEY

Project Title Organic Sultana Seedless Grape Growing

Project Dates 2002 – 2006

Project Leader Fadime ATEŞ fadimeates2@yahoo.com
Institute Viticulture Research Institute Manisa/TURKEY

Project Title Organic Olive Production in the Aegean Region

Project Dates 2002 – 2007

Project Leader Dr. Nejat ÖZİLBEY n.ozilbey@zae.gov.tr

Institute Oliviculture Research Institute Bornova, Izmir/TURKEY

Project Title Organic Grape Production

Project Dates 2003 – 2007

Project Leader Abdülkadir AKGÜN akgun27@yahoo.com
Institute Pistachio Research Institute G. Antep/TURKEY

Project Title Organic Pistachio Production

Project Dates 2003 – 2007

Project Leader İzzet AÇAR izzetacar@yahoo.com

Institute Pistachio Research Institute G. Antep/TURKEY

Project Title Investigation on Possibility of Organic Strawberry Growing Under Isparta (Eğirdir)

Conditions

Project Dates 2001 – 2004

Project Leader Adem ATASAY adematasay@ebkae.gov.tr

Institute Eğirdir Horticultural Research Institute Eğirdir, Isparta/TURKEY

Project Title Organic Apple Growing Under Isparta Conditions

Project Dates 2002 – 2007

Proiect Leader Adem ATASAY adematasay@ebkae.gov.tr

Institute Eğirdir Horticultural Research Institute Eğirdir, Isparta/TURKEY

Project Title Organic Sweet Cherry Growing Under Eğirdir Conditions

Project Dates 2003 – 2008

Project Leader Adem ATASAY adematasay@ebkae.gov.tr

Institute Eğirdir Horticultural Research Institute Eğirdir, Isparta/TURKEY

Project Title Organic Growing of Bursa Siyahı (Bursa Black) Fig Cultivar

Project Dates 2002 – 2006

Project Leader Dr. Erol YALÇINKAYA erolyalcınkaya@hotmail.com Institute Atatürk Horticultural Research Institute Yalova/TURKEY

Project Title Organic Strawberry Growing in Marmara Region

Project Dates 2002 – 2005

Project Leader Dr. Burhan ERENOĞLU burhanerenoglu@hotmail.com Institute Atatürk Horticultural Research Institute Yalova/TURKEY

Project Title Organic Kiwifruit Cultivation

Project Dates 2002 – 2006

Project Leader Dr. Temel YALÇIN temel y@hotmail.com

Institute Atatürk Horticultural Research Institute Yalova/TURKEY

Project Title Organic Olive Growing in Mut Region

Project Dates 2003 – 2005

Project Leader Ebubekir GÜR ebubekirgur@yahoo.com

Institute Alata Horticultural Research Institute mersin/TURKEY

Project Title Organic Apricot Growing in Mut Region

Project Dates 2003 – 2005

Project Leader Mustafa BİRCAN mustafabircan33@yahoo.com
Institute Alata Horticultural Research Institute Mersin/TURKEY

Project Title Organic Wine Grape Growing and Wine Making in Thrace Region

Project Dates 2003 – 2005

Project Leader Dr. Yılmaz BOZ yboz@bagcilik.gov.tr

Institute Tekirdağ Viticulture Research Institute Tekirdağ/TURKEY

Project Title Effects of Different Organic Fertilizers on Fruit Yield and Quality of Dried Fig cv.

Sarilop

Project Dates 2002 -2005

Project Leader Nilgün TAN nilguntopcu@hotmail.com

Institute Adnan Menderes Univ. Faculty of Agriculture, Dept. of Soil Sci Aydin/TURKEY

Project Title Determination of Quality of Tomatoes and Tomato Products Cultivated by Both

Organic and Conventional Methods

Project Dates 2001 – 2004

Project Leader Turgay MERCAN turgaymercan@yahoo.com

Institute Bursa Food Inspection and Central Research Institute Bursa/TURKEY

Project Title Organic Vegetable Production in Protected Cultivation

Project Dates 2002 -2007

Project Leader Dr. Nurşen ÖZÇELİK n_ozcelik@hotmail.com

Institute East Mediterranean Research Institute Antalya/TURKEY

Project Title Effects of Various Organic Manures on Nitrogen Leaching and Fruit Yield and

Quality of Organically grown Open Field Red Pepper (Capsicum annum L.)

Project Dates 2001 – 2004

Project Leader Alev GÜRPINAR alevpinar@yahoo.com

Institute Ege Agricultural Research Institute Menemen, Ýzmir/TURKEY

Project Title Research on Suitable Crops in Rotation and Conversion Period for Organic Red

Pepper Production in K. Maraş

Project Dates 2003- 2009

Project Leader B. Bülent ARPACI bsarpaci@hotmail.com

Institute K. Maraş Agricultural Research Institute K. Maraş/TURKEY

Project Title Organic Growing of Leek

Project Dates 2002 – 2005

Project Leader Gülay BEŞİRLİ gul662000@yahoo.com

Institute Atatürk Horticultural Research Institute Yalova/TURKEY

Project Title Adaptation of Origanum and Thymus Species Naturally Grown in Mediterranean

Region to Organic Culture and Determination of Lines Providing High Quality and

Yield

Project Dates 2002 – 2007

Project Leader Naim ÖZGÜR fakkaya2002@yahoo.com

Institute East Mediterranean Research Institute Antalya/TURKEY

Project Title Growing Organic Pleurotus spp.

Project Dates 2003 – 2005

Project Leader Dr. Seref Aksu aksuseref@yahoo.com

Institute Ege Agricultural Research Institute Menemen, İzmir/TURKEY

Project Title Comparison of Maize Cultivars Under Organic Management

Project Dates 2003 – 2005

Project Leader Dr. Ahmet ÖZ ahmetoz01@hotmail.com

Institute Black Sea Agricultural Research Institute Samsun/TURKEY

Project Title Comparison of Yield, Cost and Quality in Organic and Conventional Corn,

Soybean, Chickpea and Bean Production

Project Dates 2003 – 2005

Project Leader Mustafa ACAR mustafaacar_tr@yahoo.com

Institute Black Sea Agricultural Research Institute Samsun/TURKEY

Project Title Development of Organic Soybean Production Systems in The Black Sea Region

of Turkey

Project Dates 2003 – 2005

Project Leader Mehmet ERDOĞMUŞ erdogmusm55@yahoo.com

Institute Black Sea Agricultural Research Institute Samsun/TURKEY

Project Title Development of Organic Dry Bean and Chickpea Production Systems in the Black

Sea Region

Project Dates 2003 – 2005

Project Leader Dr. Hüseyin ÖZÇELİK huozcelik@hotmail.com

Institute Black Sea Agricultural Research Institute Samsun/TURKEY

Project Title Researches on Organic Dry Bean Production in the East Anatolian Region

Project Dates 2003 – 2007

Project Leader Engin KILIÇ engin722000@yahoo.com; Ýbrahim ULUKAN

Institute East Anatolian Agricultural Research Institute and Erzincan Horticultural

Research Institute Erzincan/TURKEY

Project Title A Research on Growing Vetch + Barley Mixture in Rotation with Maize and

Soybean in Organic Farming

Project Dates 2003 – 2005

Project Leader Dr. Hüseyin ÖZPINAR huseyin_ozpinar@hotmail.com

Institute Bornova Agricultural Plant Protection Research Institute Bornova -Izmir/TURKEY

Project Title Research on Possibility of Organic Cotton Growing in K. Maraş

Project Dates 2004 – 2008

Project Leader M. Nefi KISAKÜREK kisakureknefi@hotmail.com

Institute K. Maraş Agricultural Research Institute K. Maras/TURKEY

Project Title Determination of the effects of some pre-plants on yield and Yield Components of

Lentil in Diyarbakir Conditions

Project Dates 2003 – 2007

Project Leader Murat KOÇ muratkoc75@hotmail.com; M. Hadi AYDIN

Institute South Eastern Anatolia Agricultur al Research Institute, Diyarbakýr/TURKEY

Project Title Investigation on Possibility of Cotton Production at Big Meander River Basin

Project Dates 2002 – 2007

Project Leader Dr. İsa ÖZKAN iozkan09@hotmail.com

Institute Nazilli Cotton Research Institute Nazilli-Aydin/TURKEY

Project Title Development of Organic Dry Bean Production in East Anatolian Region

Project Dates 2003 – 2007

Project Leader İbrahim ULUKAN iulukan66@hotmail.com

Institute Erzincan Horticultural Research Institute Erzincan/TURKEY

Project Title Wheat and Vetch Production in Organic Agriculture

Project Dates 2002 – 2005

Project Leader Dr. Murat OLGUN burakolg@hotmail.com

Institute East Anatolian Agricultural Research Institute Erzurum/TURKEY

Project Title Development of Organic Potato Production in Eastern Anatolia

Project Dates 2003 – 2005

Project Leader Ahmet Metin KUMLAY

Institute East Anatolian Agricultural Research Institute Erzurum/TURKEY

Project Title Research on Possibility of Organic Fish Production in the South Eastern Anatolia

Region According to Organic Standards

Project Dates 2002 – 2004

Project Leader Cevat YILMAZ cevatyilmaz23@hotmail.com

Institute Elazığ Aquaculture Research Institute Elazýð/TURKEY

Project Title A Research on Organic Sheep Rearing and Lamb Fattening in South Marmara

Conditions

Project Dates 2002 – 2005

Project Leader Ayhan CEYHAN ceyhan ayhan@hotmail.com

Institute Uludağ University Fac. Of Agriculture Dept. of Animal Husbandry Bursa/TURKEY

Project Title An Investigation on Organic Aquaculture in the East Black Sea Region of Turkey

Project Dates 2002 – 2004

Project Leader Yahya ÇAVDAR cavdaroglu61@hotmail.com

Institute Trabzon Aquaculture Central Research Institute Trabzon/TURKEY

Project Title Composting Olive-Mill By-product (Olive Cake) and Utilization as Organic

Fertilizer

Project Dates 2001 – 2004

Project Leader Assoc. Prof. Dr. Serap SOYERGİN serapsoyergin@hotmail.com

Institute Atatürk Horticultural Research Institute Yalova/TURKEY

Project Title Sustainable Agriculture Systems in Turkey and Determination of P olicies to

Manage the Needs

Project Dates 2002 – 2005

Project Leader Filiz PEZİKOĞLU fpezikoglu@yahoo.com

Institute Atatürk Horticultural Research Institute Yalova/TURKEY

Project Title Organic Growing of Table and Dried Sultanas in Turkey

Project Dates 1999 – 2002

Project Leader Assoc. Prof. Dr. Ahmet ALTINDİŞLİ altindis@ziraat.ege.edu.tr

Institute Ege Univ. Fac. Of Agric, Dept. of Hortic. 35100 Bornova-Izmir/Turkey

Project Title Organic Vegetable Production Under Protection

Project Dates 1999 – 2001

Project Leader Prof. Dr. Yuksel TUZEL tuzel@ziraat.ege.edu.tr

Institute Ege Univ. Fac. Of Agric, Dept. of Hortic. 35100 Bornova-Izmir/Turkey

Project Title Organic Vegetable Production in Taurus Mountain Villages

Project Dates 2001 -

Project Leader Prof. Dr. Onur ERKAN

Institute Agricultural Economics Dept. Faculty of Agriculture Çukurova University

Adana/TURKEY*

Project Title Estimation of Potential Demand for Environmentally Friendly Products in Istanbul,

Ankara and Izmir Provinces

Project Dates 2001 – 2004

Project Leader Prof. Dr. Sedef AKGUNGOR

Institute Işık University Fac. Of. Economics Istanbul/TURKEY

Project Title Comparative economic analysis of Organic and Conventional Plant Production

and possibility to Develop Production and Marketing of Organic Products

Project Dates 2001 – 2004

Project Leader Assoc. Prof. Dr. Harun TANRIVER MIS

Institute Ankara Univ. Fac. Of Agric. Dept. of Agr. Economics, Ankara/TURKEY

Project Title Organic Cherry Production

Project Dates 1999 – 2002

Project Leader Prof. Dr. Serdar TEZCAN

Institute Ege Univ. Fac. of Agric., Dept. of Plant Protection Bornova-Izmir/TURKEY

Project Title Investigation on Possibility of Controlling Balanius (Curculio) nucum L. by Using

Organic Preparations

Project Dates 2003 – 2006

Project Leader Mine RUŞEN mrusen2002@yahoo.com
Institute Hazelnut Research Institute Giresun/TURKEY

Project Title Management of Diseases, Pests and Weeds in Organic Tomato Production in

Eastern Mediterranean Region

Project Dates 2002 – 2005

Project Leader Ayşegül ÇOLAK aytul201@hotmail.com

Institute Adana Plant Protection Research Institute Adana/TURKEY

Project Title Management of Disease, Pest and Weed Control in Organic Cherry Production in

Central Anatolia Region

Project Dates 2003 – 2007

Project Leader Dr. Ayşe ÖZDEM aozdem1@hotmail.com

Institute Central Plant Protection Research Institute, Ankara/TURKEY

Project Title Extension of Area-wide Control of European Grapevine Moth by Using Mating

Disruption Technique in the Aegean Region

Project Dates 2003 – 2005

Project Leader Dr. F. Özlem ALTINDİŞLÝ altindisli@yahoo.com

Institute Bornova Plant Protection Research Institute Bornova-Izmir/TURKEY

Source: DG Agricultural Research at Ministry of Agriculture and Rural Affairs, personal communication.

Annex 2. Completed post-graduate thesis (MSc. and PhD.) in Turkey

Thesis title Marketing of ecological (organic) agricultural products

Date of Completion 2002

Leader Tuğba Uskuç TÜRKÖZ

Institute Celal Bayar University Institute of Social Science Manisa/TURKEY

Thesis title The Effects of Adding Lime to Soils on Microbiological Activity, Humus

Formation, Productivity and Quality of the Soils in Organic Growing

Date of Completion 1998

Leader Günnur DÖLER

Institute Ege University Fac. of Agriculture, Bornova -Izmir/TURKEY

Thesis title Environmental pollution problems caused by input using and organic

farming application in Turkish agriculture: Manisa example

Date of Completion 1997

Leader Emine Olhan

Institute Ankara University Institute of Natural and Applied Sciences

Ankara/TURKEY

Thesis title A Research on current status of Turkish organic dried fig and possibilities to

advance in the world market

Date of Completion 2002

Leader Berrin ŞAHİN

Institute Adnan Menderes Univ. Institute of Natural and Applied Sciences

Aydın/TURKEY

Thesis title Researching the development process of Organic Agriculture in Turkey on

firm bases and evaluating the export performance

Date of Completion 2002

Leader F. Çiler Günaçar

Institute Dokuz Eylül Üniv. Institute of Social Science Izmir/TURKEY

Thesis title An Investigation on the effects of organic growing methods on yield and

quality properties of processing tomato

Date of Completion 2000

Leader Eda Canbazoğlu

Institute Ege Univ. Institute of Natural and Applied Sciences Izmir/TURKEY

Thesis title Research on the effect of organic and conventional management systems

on yield and quality of Round Seedless Vineyards

Date of Completion 1999

Leader H. Hakan Pamuk

Institute Ege Univ. Institute of Natural and Applied Sciences Izmir/TURKEY

Source: Turkish Higher Education Council (www.yok.gov.tr), personal communication.

Annex 3. Processors and Exporters of Organic Products in Turkey

COMPANY *	ADDRESS **	TELEPHONE	FAX	PRODUCT (S) ***
AKÇA	Üniversite cad. No:84 Bornava-İZMİR	90 232 435 05 65	90 232 435 05 27	1
ASLANTÜRK Gıda İhr.İth. ve Tic. Ltd.Şti.	Yolgören Mah.Rize Cad. No: 13 61700 Araklı / TRABZON	90 462 721 52 78 90 462 722 61 18	90 462 721 63 41	2
AYSAN Dış. Tic. Fındık San. ve Paz. Ltd.Şti.	Kazım Karabekir Cad.No: 15 52100 ORDU	90 452 223 08 90	90 452 233 04 23 90 452 233 04 24	2
BALSARI Yağ. San. ve Tic.Ltd. Şti.	407 SOK. No: 2 IZMIR	90 232 479 10 76	90 232 479 03 87	6
BİLGİNOĞLU	Akçay Cad. NO:53 Gaziemir- İZMİR	90 232 251 12 18	90 232 251 17 34	6
DIRAFKO Diþ Tic.Gıda San. _td.Şti.	1570 Sok. No:17 Kat: 6/ 601 Çınarlı –İZMİR	90 232 461 12 33	90 232 486 51 81	1
DURAK Fındık San. A.Ş.	Liseli Mah.Belediye Cad. No. 8 52300 Ünye –ORDU	90 452 323 92 82	90 452 323 31 53	2
EMSAL Tekstil San .Tic.Ltd. Şti.	10007 Sok No:34 Atatürk Organize Sanayi Bölgesi Çiğli –İZMİR	90 232 376 86 86	90 232 376 86 80	8
ETEM ÖZSOY Tarım Tic. ve San. A.Ş.	Manas Bul. No: 72 Salhane -İZMİR	90 232 371 51 50	90 232 341 68 80	1, 7
GABAY DIŞ. Tic. ve Gıda San. A.Ş.	1477Sok. No:7/4 iZMiR	90 232 463 10 52	90 232 463 04 79	1
GOOD FOOD FAUNDATION	161 Sok. NO: 22 D:5 Bornova/İZMİR	90 232 374 31 31	90 232 374 40 25	1, 2, 3, 5
GÖKAY Soğuk Hava Tesisleri a.ş.	İsmet İnönü Cad. Şehir Çıkışı 10. Km. P.K.11 Gar Postanesi 26301 ESKİŞEHİR	90 222 330 63 63	90 222 330 63 66 90 222 335 22 44	4

COMPANY *	ADDRESS **	TELEPHONE	FAX	PRODUCT (S) ***
HIPP	1420 Sok. No:116 D:1 Alsancak/İZMİR	90 232 422 29 35	90 232 421 92 73	10
IŞIK Tarım San. ve Tic. A.Ş.	Şair Eşref Bul. No:6 Şamlı İş Merkezi No:605 Alsancak/İZMİR	90 232 441 52 74 90 232 874 81 28	90 232 441 19 31 90 232 874 83 97	1, 2, 6, 7
KADIOĞLU	İşçiler Cad. No:176 Alsancak/İZMİR	90 232 421 36 80	90 232 422 25 49	1, 8
KAHRAMAN Tarımsal Ürünler Tic. ve San. Ltd. Şti.	Uray Cad. 11. Sok. Esenhan No:1 MERSİN	90 324 233 95 52 90 324 233 78 52	90 324 237 16 24	2, 5
K.F.C. Gıda Tekstil San. Ýth. Ýhr. Yat. A.Ş.	Sok. No:40/B Karşıyaka/İZMİR	90 232 831 35 05	90 232 831 35 10	1
KIRICI Dış. Tic. A.Ş.	Yeni Sire Pazarı MALATYA	90 422 311 01 23	90 422 311 01 22	1
KOSTANOĞLU Tekstil ve Kur u Meyve Tic. San. Ltd. Şti.	Refik Tulga Cad. No: 11 Çamdibi/İZMİR	90 232 486 10 90	90 232 435 02 78	1, 2, 5, 9
MAVİ DENİZ Gıda San. A.Ş	Çamlıca Köyü Torbalı/İZMİR	90 232 866 30 00	90 232 866 31 38	1, 2, 5
NECDET BÜKEY Tarım Ürünleri San. ve Tic. A.Ş.	Sanat Cad. No: 28 iZMiR	90 232 433 64 86	90 232 457 63 36	7, 8
NECİP ERSOY	Ýşçiler Cad. No:126 Yenişehir/İZMİR	90 232 433 33 88	90 232 433 97 99	1
NUKA	Hacet Cad. NO: 4 Alanya ANTALYA	90 242 513 86 84	90 242 513 86 83	10
NİMEKS.	1139 Sok. No:2 Yenşehir İZMİR	90 232 376 81 18	90 232 445 87 81	1, 2 , 4, 5
OĞUZCAN	Ankara Asfaltı 40.Km Kemalpaşa –İZMİR	90 232 874 88 88	90 232 874 88 27	1, 4
ORKA Tarım Ürün San. ve Tic.Ltd.Şti.	1379 Sok. No: 59 Kat: 7/ 704- 705 Alsancak-İZMİR	90 232 441 39 28	90 232 441 39 30	1

COMPANY *	ADDRESS **	TELEPHONE	FAX	PRODUCT (S) ***
ÖZTAŞ Tarim Tic.End.A.Ş.	Atatürk Cad.Soyhan No : 378/1 Alsancak –İZMİR	90 232 422 72 18	90 232 421 98 92	1
PAGYSA Pamuk Gıda Yerli Ürün.Tic.ve San. A.Ş	Şehit Fethi Bey Cad.No. 32/6 İZMİR	90 232 461 20 39	90 232 435 28 00	1
PAKO Tarim Ürün. Dış Tic. A.Ş.	Sanat Cad.No : 45 Çamdibi –İZMİR	90 232 449 81 69	90 232 449 81 68	1
RAPUNZEL	Ankara Asfaltı 40. km Ören Kemalpaşa – İZMİR	90 232 877 71 3236	90 232 877 71 37	1, 2 , 4 , 5, 6
RİMERNA Dış.Tic.A.Ş.	1375 Sok. No. 18 / 3 35210 Alsancak –İZMİR	90 232 421 81 77	90 232 463 34 25	1
S.S. BAŞMAKÇI 1 No'lu Tarımsal Kalkınma Gül Koop.	Başmakçı Nahiyesi Dinar – AFYON	90 272 411 27 58	90 272 411 20 97	10
SANEKS Kuru İncir İşleme ve Tic. A.Ş.	Gazi Bul. Nebioğlu ışhanı No:87 / 308 İZMİR	90 232 425 90 01	90 232 425 90 02	1, 4, 5
STADİA Turz. Ve Tic. İnş.San. Ltd. Şti.	İskele Mah. Ambarcı Cad.Akdeniz İşhanı Kat:1 Datça –MUĞLA	90 252 712 81 60	90 252 721 24 03	9
SULSAN Tarim Ürün ve Gıda ve Tic.A.Ş.	Kıbrıs Şehitleri Cad.1479 Sok. Rozlin Apt.Kat: 6 D:17 İZMİR	90 232 422 72 75	90 232 422 72 78	1
ŞENTAŞ Tarım Ürün. İhr.San.ve Tic.A.Ş.	Halit Ziya Bul .NO : 70 İZMİR	90 232 483 71 20	90 232 489 26 60	1,2
TAMSAN Gida Ürün San ve Tic. Ltd.Şti.	1444 Sok No. 16/ В Kat:1 iZMiR	90 232 479 55 41	90 232 479 55 68	7
TARİŞ İncir T.S.K.B.	1492 Sok No: 14 Alsancak₋İZMİR	90 232 463 55 00	90 232 421 00 66	1
ÜZÜMSAN Üzüm San. ve Tic.A.Ş.	P.K.133 Pasaport iZMİR	90 232 486 80 43	90 232 486 87 89	1

^{*} In Alphabetical order ** Source: Ege Exporters' Union *** Product codes: 1. Dried fruits, 2. hazelnut and other nuts, 3. Dried vegetables, 3. Fresh, canned, frozen fruits and vegetables, 4. Cereals, Grain legumes, 5. Olive oil, 6. Forest products 7. Textile, yarn, raw material 8. Honey 9. Others.